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NEWS

NMTBA
The Association For Manufacturing Technology

FOR RELEASE: October 29, 1990
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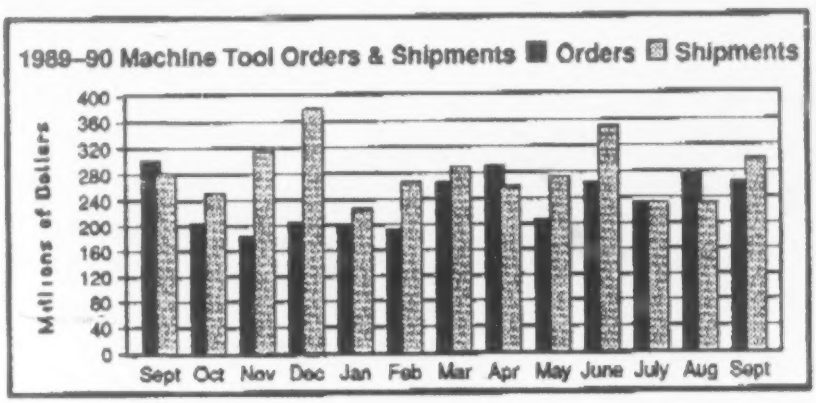
September machine tool shipments up 29%

September machine tool shipments totaled $298.70 million, up 29% compared to August's $231.35 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. At $2,428.00 million, year–to–date shipments are up 7.9% from the $2,251.00 million for the same period in 1989. Compared to September last year, September 1990 shipments are up 5.9%.



Machine tool orders in September totaled $264.20 million, down 4.6% from August's $276.80 million. At $2,197.90 million, year–to–date orders are almost level with the $2,212.25 million tallied in the same period in 1989. September 1990 orders are down 12.7% compared to the same month last year.

Albert W. Moore, NMTBA president, said, "In spite of current economic uncertainties, the demand for manufacturing technology is holding firm. We are particularly pleased to note that foreign orders continue to run strong. Year–to–date foreign orders are up 13%, a good indication that America's machine tool builders are globally competitive. Worldwide, the need for new process technology is growing — and so is the competition to fill that need. U.S. manufacturers must make every effort to maintain and to improve their competitive position."

(more)

Metal Cutting

September metal cutting orders were $209.00 million, down 8.6% compared to August. Year-to-date metal cutting orders reached $1,573.00 million, 1.9% above the same period in 1989. Compared to September 1989, this September's orders are up 8.6%.

At $189.75 million, metal cutting shipments for September are 21.8% ahead of August. Year-to-date metal cutting shipments moved up to $1,691.95 million, a 3.6% improvement compared to the same period in 1989. Compared to September last year, September 1990 metal cutting shipments were down 17.0%.

Metal Forming

September metal forming orders rose to $55.20 million, 14.4% above August's figure. Year-to-date metal forming orders total $624.90 million, down 6.5% compared to 1989. Comparing September 1990 to September 1989, metal forming orders are down 49.9%.

From August to September, metal forming shipments rose 44.1% to $108.95 million. Year-to-date metal forming shipments stand at $736.05 million, up 19.2% compared to the same period in 1989. Comparing September 1990 to September 1989, metal forming shipments are up 103.6%.

Backlog

The machine tool order backlog for September 1990 is $1,573.50 million, down from August's $1,608.00 million. The September 1989 backlog was $2,152.50 million.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
SEP 1990	190.60	18.40	209.00	45.90	9.30	55.20	236.50	27.70	264.20
AUG 1990	212.20	16.35	228.55	47.95	.30	48.25	260.15	16.65	276.80
% CHANGE SEP 1990:AUG 1990	-10.2	+12.5	-8.6	-4.3	+3,000.0	+14.4	-9.1	+66.4	-4.6
SEP 1989	174.50	17.95	192.45	105.00	5.15	110.15	279.50	23.10	302.60
% CHANGE SEP 1990:SEP 1989	+9.2	+2.5	+8.6	-56.3	+80.6	-49.9	-15.4	+19.9	-12.7
YEAR TO DATE 1990	1,341.55	231.45	1,573.00	542.05	82.85	624.90	1,883.60	314.30	2,197.90
YEAR TO DATE 1989	1,343.75	200.25	1,544.00	589.75	78.50	668.25	1,933.50	278.75	2,212.25
% CHANGE 1990 : 1989	-0.2	+15.6	+1.9	-8.1	+5.5	-6.5	-2.6	+12.8	-0.6

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
SEP 1990	168.10	21.65	189.75	94.30	14.65	108.95	262.40	36.30	298.70
AUG 1990	135.85	19.90	155.75	61.30	14.30	75.60	197.15	34.20	231.35
% CHANGE SEP 1990:AUG 1990	+23.7	+8.8	+21.8	+53.8	+2.4	+44.1	+33.1	+6.1	+29.1
SEP 1989	188.75	39.75	228.50	44.45	9.05	53.50	233.20	48.80	282.00
% CHANGE SEP 1990:SEP 1989	-10.9	-45.5	-17.0	+112.1	+61.9	+103.6	+12.5	-25.6	+5.9
YEAR TO DATE 1990	1,468.80	223.15	1,691.95	653.30	82.75	736.05	2,122.10	305.90	2,428.00
YEAR TO DATE 1989	1,435.75	197.95	1,633.70	523.35	93.95	617.30	1,959.10	291.90	2,251.00
% CHANGE 1990 : 1989	+2.3	+12.7	+3.6	+24.8	-11.9	+19.2	+8.3	+4.8	+7.9

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$2,441.85	$ 366.10	$2,807.95	$1,803.60	$2,763.35	$ 432.25	$3,195.60
1990							
JAN	$ 159.20	$ 42.10	$ 201.30	$1,778.55	$ 199.05	$ 27.30	$ 226.35
FEB	$ 157.15	$ 37.40	$ 194.55	$1,705.10	$ 233.30	$ 34.70	$ 268.00
MAR	$ 189.55	$ 76.30	$ 265.85	$1,682.05	$ 246.25	$ 42.65	$ 288.90
APR	$ 264.70	$ 24.55	$ 289.25	$1,713.20	$ 218.35	$ 39.75	$ 258.10
MAY	$ 181.30	$ 25.15	$ 206.45	$1,646.70	$ 243.30	$ 29.65	$ 272.95
JUN	$ 221.10	$ 44.15	$ 265.25	$1,561.70	$ 310.95	$ 39.30	$ 350.25
JUL	$ 213.95	$ 20.30	$ 234.25	$1,562.55	$ 211.35	$ 22.05	$ 233.40
AUG	$ 260.15	$ 16.65	$ 276.80	$1,608.00	$ 197.15	$ 34.20	$ 231.35
SEP (P)	$ 236.50	$ 27.70	$ 264.20	$1,573.50	$ 262.40	$ 36.30	$ 298.70
9 MONTHS	$1,883.60	$ 314.30	$2,197.90		$2,122.10	$ 305.90	$2,428.00

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$2,581.50	$ 405.20	$2,986.70	$ 139.65	$ 39.10	$ 178.75
1990						
JAN	$ 162.30	$ 44.05	$ 206.35	$ 3.10	$ 1.95	$ 5.05
FEB	$ 162.30	$ 38.30	$ 200.60	$ 5.15	$ .90	$ 6.05
MAR	$ 204.10	$ 79.95	$ 284.05	$ 14.55	$ 3.65	$ 18.20
APR	$ 278.80	$ 24.70	$ 303.50	$ 14.10	$ .15	$ 14.25
MAY	$ 195.60	$ 25.95	$ 221.55	$ 14.30	$ .80	$ 15.10
JUN	$ 226.95	$ 47.65	$ 274.60	$ 5.85	$ 3.50	$ 9.35
JUL	$ 224.45	$ 26.15	$ 250.60	$ 10.50	$ 5.85	$ 16.35
AUG	$ 266.60	$ 24.05	$ 290.65	$ 6.45	$ 7.40	$ 13.85
SEP (P)	$ 241.80	$ 28.30	$ 270.10	$ 5.30	$ .60	$ 5.90
9 MONTHS	$1,962.90	$ 339.10	$2,302.00	$ 79.30	$ 24.80	$ 104.10

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

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INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$1,722.80	$ 253.55	$1,976.35	$1,423.30	$2,059.20	$ 299.40	$2,358.60
1990							
JAN	$ 117.70	$ 23.45	$ 141.15	$1,402.25	$ 143.40	$ 18.80	$ 162.20
FEB	$ 100.45	$ 15.85	$ 116.30	$1,349.05	$ 143.60	$ 25.90	$ 169.50
MAR	$ 132.60	$ 65.60	$ 198.20	$1,333.10	$ 179.80	$ 34.35	$ 214.15
APR	$ 187.45	$ 19.20	$ 206.65	$1,370.80	$ 141.65	$ 27.30	$ 168.95
MAY	$ 116.80	$ 21.00	$ 137.80	$1,314.45	$ 172.30	$ 21.85	$ 194.15
JUN	$ 151.20	$ 37.40	$ 188.60	$1,227.35	$ 240.10	$ 35.60	$ 275.70
JUL	$ 132.55	$ 14.20	$ 146.75	$1,212.30	$ 144.00	$ 17.80	$ 161.80
AUG	$ 212.20	$ 16.35	$ 228.55	$1,285.10	$ 135.85	$ 19.90	$ 155.75
SEP (P)	$ 190.60	$ 18.40	$ 209.00	$1,304.35	$ 168.10	$ 21.65	$ 189.75
9 MONTHS	$1,341.55	$ 231.45	$1,573.00		$1,468.80	$ 223.15	$1,691.95

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$1,837.80	$ 281.65	$2,119.45	$ 115.00	$ 28.10	$ 143.10
1990						
JAN	$ 120.35	$ 25.15	$ 145.50	$ 2.65	$ 1.70	$ 4.35
FEB	$ 102.20	$ 16.70	$ 118.90	$ 1.75	$ .85	$ 2.60
MAR	$ 146.80	$ 69.20	$ 216.00	$ 14.20	$ 3.60	$ 17.80
APR	$ 199.40	$ 19.30	$ 218.70	$ 11.95	$ .10	$ 12.05
MAY	$ 130.20	$ 21.75	$ 151.95	$ 13.40	$ .75	$ 14.15
JUN	$ 155.40	$ 40.85	$ 196.25	$ 4.20	$ 3.45	$ 7.65
JUL	$ 142.95	$ 20.00	$ 162.95	$ 10.40	$ 5.80	$ 16.20
AUG	$ 216.60	$ 17.05	$ 233.65	$ 4.40	$ .70	$ 5.10
SEP (P)	$ 194.50	$ 18.95	$ 213.45	$ 3.90	$ .55	$ 4.45
9 MONTHS	$1,408.40	$ 248.95	$1,657.35	$ 66.85	$ 17.50	$ 84.35

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

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INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$ 719.05	$ 112.55	$ 831.60	$ 380.30	$ 704.15	$ 132.85	$ 837.00
1990							
JAN	$ 41.50	$ 18.65	$ 60.15	$ 376.30	$ 55.65	$ 8.50	$ 64.15
FEB	$ 56.70	$ 21.55	$ 78.25	$ 356.05	$ 89.70	$ 8.80	$ 98.50
MAR	$ 56.95	$ 10.70	$ 67.65	$ 348.95	$ 66.45	$ 8.30	$ 74.75
APR	$ 77.25	$ 5.35	$ 82.60	$ 342.40	$ 76.70	$ 12.45	$ 89.15
MAY	$ 64.50	$ 4.15	$ 68.65	$ 332.25	$ 71.00	$ 7.80	$ 78.80
JUN	$ 69.90	$ 6.75	$ 76.65	$ 334.35	$ 70.85	$ 3.70	$ 74.55
JUL	$ 81.40	$ 6.10	$ 87.50	$ 350.25	$ 67.35	$ 4.25	$ 71.60
AUG	$ 47.95	$ .30	$ 48.25	$ 322.90	$ 61.30	$ 14.30	$ 75.60
SEP (P)	$ 45.90	$ 9.30	$ 55.20	$ 269.15	$ 94.30	$ 14.65	$ 108.95
9 MONTHS	$ 542.05	$ 82.85	$ 624.90		$ 653.30	$ 82.75	$ 736.05

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$ 743.70	$ 123.55	$ 867.25	$ 24.65	$ 11.00	$ 35.65
1990						
JAN	$ 41.95	$ 18.90	$ 60.85	$ .45	$ .25	$ .70
FEB	$ 60.10	$ 21.60	$ 81.70	$ 3.40	$ .05	$ 3.45
MAR	$ 57.30	$ 10.75	$ 68.05	$ .35	$ .05	$ .40
APR	$ 79.40	$ 5.40	$ 84.80	$ 2.15	$ .05	$ 2.20
MAY	$ 65.40	$ 4.20	$ 69.60	$ .90	$ .05	$ .95
JUN	$ 71.55	$ 6.80	$ 78.35	$ 1.65	$ .05	$ 1.70
JUL	$ 81.50	$ 6.15	$ 87.65	$ .10	$ .05	$ .15
AUG	$ 50.00	$ 7.00	$ 57.00	$ 2.05	$ 6.70	$ 8.75
SEP (P)	$ 47.30	$ 9.35	$ 56.65	$ 1.40	$ .05	$ 1.45
9 MONTHS	$ 554.50	$ 90.15	$ 644.65	$ 12.45	$ 7.30	$ 19.75

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

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QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS

(Dollar Figures in Thousands)
1984 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,800	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,800	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2	614,100	71,300	521,150	442,600	46,300	339,300	171,500	25,000	181,850
3	556,650	66,300	487,850	397,750	43,350	324,550	158,900	22,950	163,300
4	676,100	93,350	646,100	487,000	49,950	461,500	189,100	43,400	184,600
Total	$2,323,650	$286,900	$2,118,800	$1,676,500	$177,650	$1,451,450	$ 647,150	$ 109,250	$ 667,350
1988-1	$ 516,500	$ 60,000	$ 850,000	$ 317,850	$ 35,300	$ 666,250	$ 198,650	$ 24,700	$ 183,750
2	551,150	74,400	968,500	339,350	40,900	676,500	211,800	33,500	284,000
3	569,200	66,350	922,650	391,300	38,650	715,000	177,900	27,700	207,650
4	762,250	96,050	857,700	526,050	59,600	650,150	236,200	36,450	207,550
Total	$2,399,100	$296,800	$3,590,850	$1,574,550	$174,450	$2,707,900	$ 824,550	$ 122,350	$ 882,950
1989-1	$ 687,650	$ 81,400	$ 803,300	$ 481,550	$ 50,900	$ 602,550	$ 206,100	$ 30,500	$ 200,750
2	817,850	101,150	688,500	578,150	64,450	459,550	239,700	36,700	228,950
3	745,500	109,350	720,450	574,000	82,600	481,900	171,500	26,750	238,550
4	944,600	140,350	595,700	724,900	101,450	432,350	219,700	38,900	163,350
Total	$3,195,600	$432,250	$2,807,950	$2,358,600	$299,400	$1,976,350	$ 837,000	$ 132,850	$ 831,600
1990-1	$ 783,250	$104,650	$ 661,700	$ 545,850	$ 79,050	$ 455,650	$ 237,400	$ 25,600	$ 206,050
2	881,300	108,700	760,950	638,800	84,750	533,050	242,500	23,950	227,900
3P	763,450	92,550	775,250	587,300	59,350	584,300	256,150	33,200	190,950
Total	$2,428,000	$305,900	$2,197,900	$1,691,950	$223,150	$1,573,000	$ 736,050	$ 82,750	$ 624,900

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

October 29, 1990

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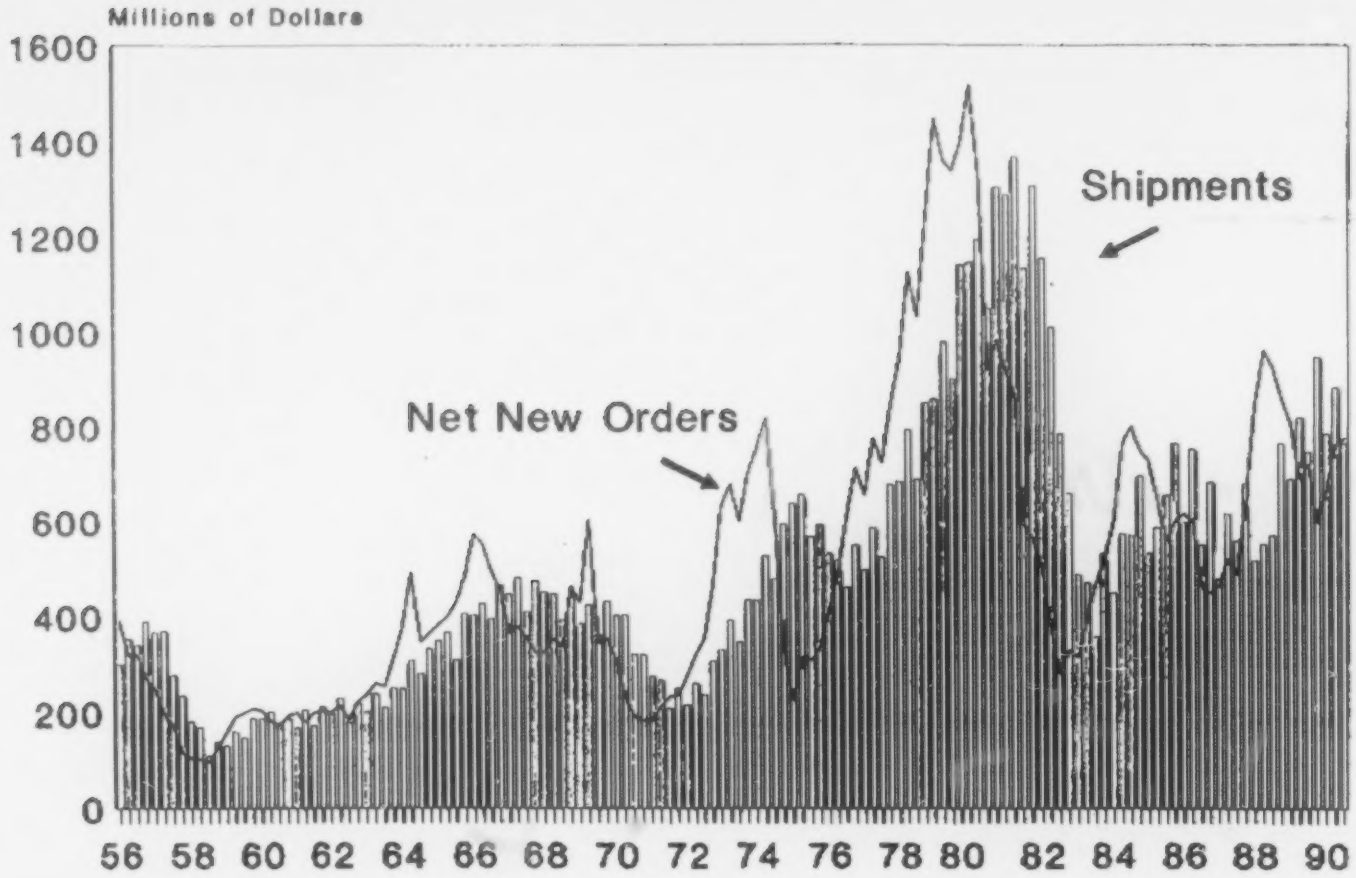
Total Machine Tools
Shipments and Net New Orders, Quarterly



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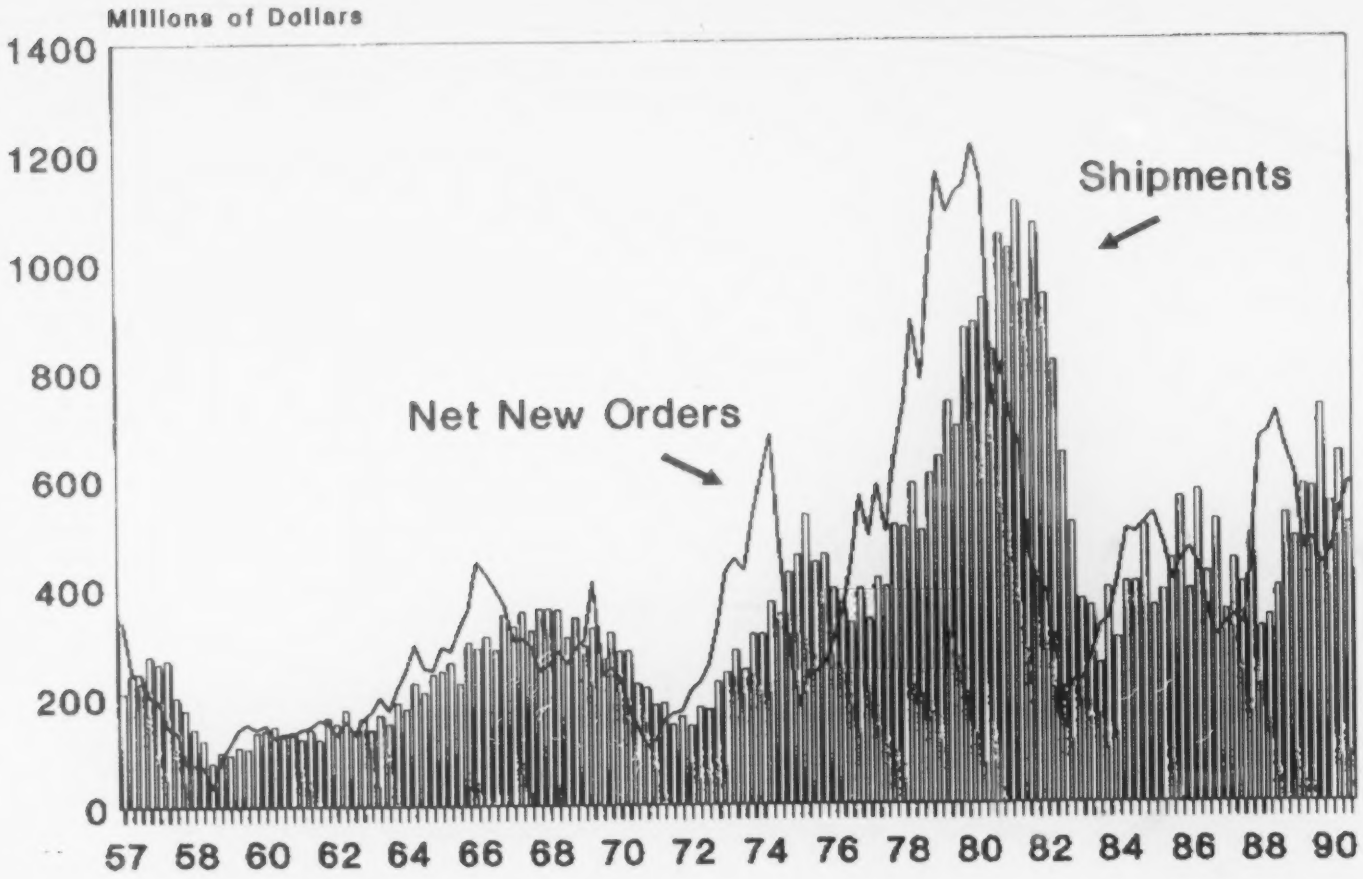
Metal Cutting Machine Tools
Shipments and Net New Orders, Quarterly



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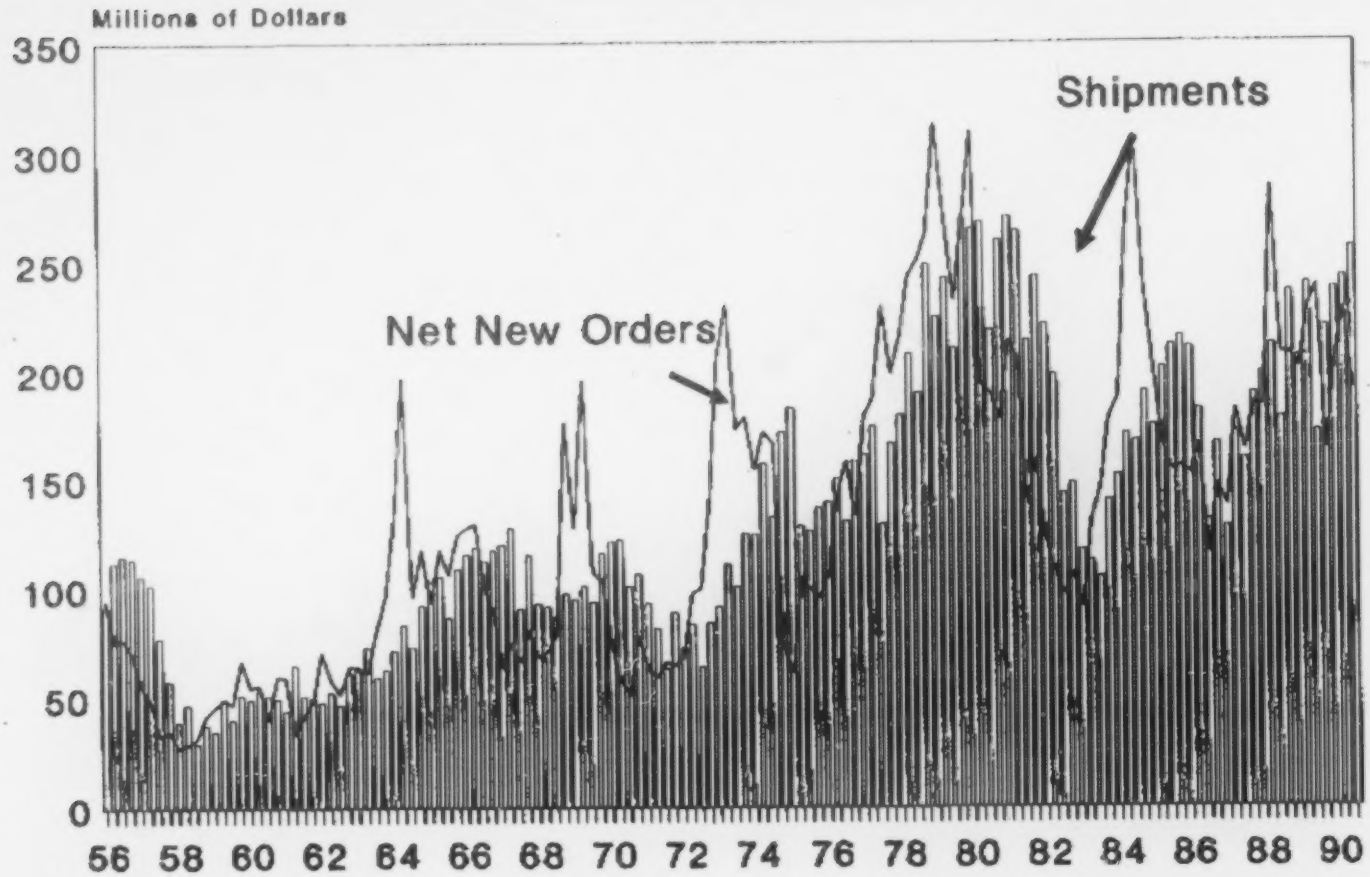
Metal Forming Machine Tools
Shipments and Net New Orders, Quarterly



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NEWS

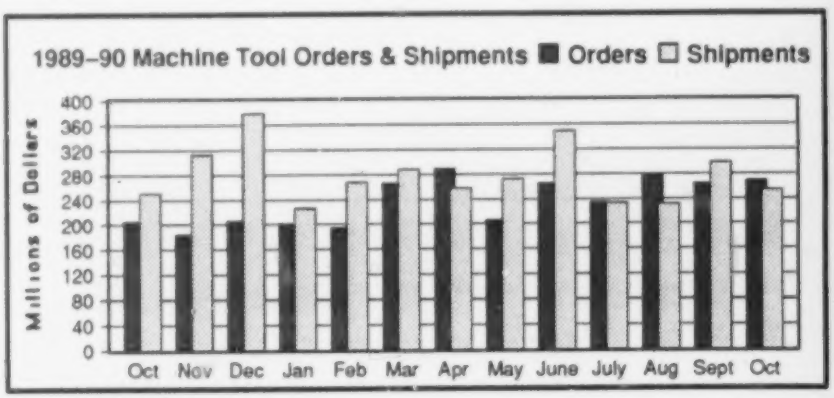
NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: November 26, 1990
Contact: Charles Pollock, Vice President, Communications, 703–827–5206
Glyn Finley, Statistical Director, 703–827–5255

Machine tool orders maintain level

October machine tool orders totaled $269.30 million, up 1.9% from September's $264.35 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. At $2,467.35 million, year–to–date orders are 2.1% ahead of last year's $2,417.25 million for the same period. Compared to October 1989, October 1990 orders are up 31.4%.

Machine tool shipments fell 14.9% in October, dropping from $298.90 million to $254.35 million. The September figure reflects the usual end–of–quarter surge in shipments.



Year–to–date machine tool shipments totaled $2,682.55 million, 7.2% ahead of last year's $2,502.55 million. Compared to October a year ago, shipments are up 1.1%.

Albert W. Moore, NMTBA president noted, "The rise in new orders indicates that — despite gloomy prospects elsewhere in the economy — the level of business activity in the manufacturing technology industries remains firm." He continued, "The United States is at an economic turning point. For several years the real incomes of Americans have remained flat. To improve the standard of living in the U.S., we must raise productivity. The machine tool and manufacturing technology industries are central to that effort. Using the most up–to–date equipment

(more)

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substantially increases productivity, improves quality, and lowers costs. In spite of caution on the consumer side of the economy, U.S. manufacturers need to look to the future. They have to take the long view, and that means they must continue to upgrade their manufacturing operations."

Metal Cutting

October metal cutting orders fell 12.2%, closing out at $183.60 million. Year–to–date metal cutting orders total $1,756.75 million, 4.0% ahead of the figure for the same period in 1989. Compared to October 1989, orders for October 1990 were up 26.7%.

At $189.40 million, October metal cutting shipments were level with September's. Year–to–date metal cutting shipments reached $1,881.55 million, up 3.5% compared to the same period in 1989. Comparing October 1990 to October 1989, metal cutting shipments are up 3.2%.

Metal Forming

At $85.70 million, October metal forming orders were up 55.3%. Year–to–date metal forming orders were $710.60 million, 2.4% below the figure for the same period in 1989. October 1990 orders were up 42.6% compared to October last year.

At $64.95 million, October metal forming shipments were down 40.4% compared to September. Year–to–date metal forming shipments reached $801.00 million, up 16.9% compared to the same period a year ago. Comparing October 1990 to October 1989, metal forming orders are down 4.5%.

Backlog

The machine tool order backlog for October 1990 is $1,588.40 million, down from September's $1,573.45 million. The October 1989 backlog was $2,105.95 million.

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COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
OCT 1990	167.20	16.40	183.60	68.10	17.60	85.70	235.30	34.00	269.30
SEP 1990	190.75	18.40	209.15	45.90	9.30	55.20	236.65	27.70	264.35
% CHANGE									
OCT 1990:SEP 1990	-12.3	-10.9	-12.2	+48.4	+89.2	+55.3	-0.6	+22.7	+1.9
OCT 1989	135.70	9.20	144.90	47.05	13.05	60.10	182.75	22.25	205.00
% CHANGE									
OCT 1990:OCT 1989	+23.2	+78.3	+26.7	+44.7	+34.9	+42.6	+28.8	+52.8	+31.4
YEAR TO DATE 1990	1,508.90	247.85	1,756.75	610.15	100.45	710.60	2,119.05	348.30	2,467.35
YEAR TO DATE 1989	1,479.45	209.45	1,688.90	636.80	91.55	728.35	2,116.25	301.00	2,417.25
% CHANGE									
1990 : 1989	+2.0	+18.3	+4.0	-4.2	+9.7	-2.4	+0.1	+15.7	+2.1

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
OCT 1990	165.35	24.05	189.40	57.20	7.75	64.95	222.55	31.80	254.35
SEP 1990	168.30	21.65	189.95	94.30	14.65	108.95	262.60	36.30	298.90
% CHANGE									
OCT 1990:SEP 1990	-1.8	+11.1	-0.3	-39.3	-47.1	-40.4	-15.3	-12.4	-14.9
OCT 1989	161.95	21.60	183.55	58.80	9.20	68.00	220.75	30.80	251.55
% CHANGE									
OCT 1990:OCT 1989	+2.1	+11.3	+3.2	-2.7	-15.8	-4.5	+0.8	+3.2	+1.1
YEAR TO DATE 1990	1,634.35	247.20	1,881.55	710.50	90.50	801.00	2,344.85	337.70	2,682.55
YEAR TO DATE 1989	1,597.70	219.55	1,817.25	582.15	103.15	685.30	2,179.85	322.70	2,502.55
% CHANGE									
1990 : 1989	+2.3	+12.6	+3.5	+22.0	-12.3	+16.9	+7.6	+4.6	+7.2

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$2,441.85	$ 366.10	$2,807.95	$1,803.60	$2,763.35	$ 432.25	$3,195.60
1990							
JAN	$ 159.20	$ 42.10	$ 201.30	$1,778.55	$ 199.05	$ 27.30	$ 226.35
FEB	$ 157.15	$ 37.40	$ 194.55	$1,705.10	$ 233.30	$ 34.70	$ 268.00
MAR	$ 189.55	$ 76.30	$ 265.85	$1,682.05	$ 246.25	$ 42.65	$ 288.90
APR	$ 264.70	$ 24.55	$ 289.25	$1,713.20	$ 218.35	$ 39.75	$ 258.10
MAY	$ 181.30	$ 25.15	$ 206.45	$1,646.70	$ 243.30	$ 29.65	$ 272.95
JUN	$ 221.10	$ 44.15	$ 265.25	$1,561.70	$ 310.95	$ 39.30	$ 350.25
JUL	$ 213.95	$ 20.30	$ 234.25	$1,562.55	$ 211.35	$ 22.05	$ 233.40
AUG	$ 260.15	$ 16.65	$ 276.80	$1,608.00	$ 197.15	$ 34.20	$ 231.35
SEP	$ 236.65	$ 27.70	$ 264.35	$1,573.45	$ 262.60	$ 36.30	$ 298.90
OCT (P)	$ 235.30	$ 34.00	$ 269.30	$1,588.40	$ 222.55	$ 31.80	$ 254.35
10 MONTHS	$2,119.05	$ 348.30	$2,467.35		$2,344.85	$ 337.70	$2,682.55

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$2,581.50	$ 405.20	$2,986.70	$ 139.65	$ 39.10	$ 178.75
1990						
JAN	$ 162.30	$ 44.05	$ 206.35	$ 3.10	$ 1.95	$ 5.05
FEB	$ 162.30	$ 38.30	$ 200.60	$ 5.15	$ .90	$ 6.05
MAR	$ 204.10	$ 79.95	$ 284.05	$ 14.55	$ 3.65	$ 18.20
APR	$ 278.80	$ 24.70	$ 303.50	$ 14.10	$ .15	$ 14.25
MAY	$ 195.60	$ 25.95	$ 221.55	$ 14.30	$ .80	$ 15.10
JUN	$ 226.95	$ 47.65	$ 274.60	$ 5.85	$ 3.50	$ 9.35
JUL	$ 224.45	$ 26.15	$ 250.60	$ 10.50	$ 5.85	$ 16.35
AUG	$ 266.60	$ 24.05	$ 290.65	$ 6.45	$ 7.40	$ 13.85
SEP	$ 242.00	$ 28.30	$ 270.30	$ 5.35	$ .60	$ 5.95
OCT (P)	$ 244.00	$ 35.35	$ 279.35	$ 8.70	$ 1.35	$ 10.05
10 MONTHS	$2,207.10	$ 374.45	$2,581.55	$ 88.05	$ 26.15	$ 114.20

P - Preliminary
Source: NMTBA - The Association for Manufacturing Technology

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$1,722.80	$ 253.55	$1,976.35	$1,423.30	$2,059.20	$ 299.40	$2,358.60
1990							
JAN	$ 117.70	$ 23.45	$ 141.15	$1,402.25	$ 143.40	$ 18.80	$ 162.20
FEB	$ 100.45	$ 15.85	$ 116.30	$1,349.05	$ 143.60	$ 25.90	$ 169.50
MAR	$ 132.60	$ 65.60	$ 198.20	$1,333.10	$ 179.80	$ 34.35	$ 214.15
APR	$ 187.45	$ 19.20	$ 206.65	$1,370.80	$ 141.65	$ 27.30	$ 168.95
MAY	$ 116.80	$ 21.00	$ 137.80	$1,314.45	$ 172.30	$ 21.85	$ 194.15
JUN	$ 151.20	$ 37.40	$ 188.60	$1,227.35	$ 240.10	$ 35.60	$ 275.70
JUL	$ 132.55	$ 14.20	$ 146.75	$1,212.30	$ 144.00	$ 17.80	$ 161.80
AUG	$ 212.20	$ 16.35	$ 228.55	$1,285.10	$ 135.85	$ 19.90	$ 155.75
SEP	$ 190.75	$ 18.40	$ 209.15	$1,304.30	$ 168.30	$ 21.65	$ 189.95
OCT (P)	$ 167.20	$ 16.40	$ 183.60	$1,298.50	$ 165.35	$ 24.05	$ 189.40
10 MONTHS	$1,508.90	$ 247.85	$1,756.75		$1,634.35	$ 247.20	$1,881.55

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$1,837.80	$ 281.65	$2,119.45	$ 115.00	$ 28.10	$ 143.10
1990						
JAN	$ 120.35	$ 25.15	$ 145.50	$ 2.65	$ 1.70	$ 4.35
FEB	$ 102.20	$ 16.70	$ 118.90	$ 1.75	$ .85	$ 2.60
MAR	$ 146.80	$ 69.20	$ 216.00	$ 14.20	$ 3.60	$ 17.80
APR	$ 199.40	$ 19.30	$ 218.70	$ 11.95	$ .10	$ 12.05
MAY	$ 130.20	$ 21.75	$ 151.95	$ 13.40	$ .75	$ 14.15
JUN	$ 155.40	$ 40.85	$ 196.25	$ 4.20	$ 3.45	$ 7.65
JUL	$ 142.95	$ 20.00	$ 162.95	$ 10.40	$ 5.80	$ 16.20
AUG	$ 216.60	$ 17.05	$ 233.65	$ 4.40	$ .70	$ 5.10
SEP	$ 194.70	$ 18.95	$ 213.65	$ 3.95	$ .55	$ 4.50
OCT (P)	$ 175.85	$ 17.70	$ 193.55	$ 8.65	$ 1.30	$ 9.95
10 MONTHS	$1,584.45	$ 266.65	$1,851.10	$ 75.55	$ 18.80	$ 94.35

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$ 719.05	$ 112.55	$ 831.60	$ 380.30	$ 704.15	$ 132.85	$ 837.00
1990							
JAN	$ 41.50	$ 18.65	$ 60.15	$ 376.30	$ 55.65	$ 8.50	$ 64.15
FEB	$ 56.70	$ 21.55	$ 78.25	$ 356.05	$ 89.70	$ 8.80	$ 98.50
MAR	$ 56.95	$ 10.70	$ 67.65	$ 348.95	$ 66.45	$ 8.30	$ 74.75
APR	$ 77.25	$ 5.35	$ 82.60	$ 342.40	$ 76.70	$ 12.45	$ 89.15
MAY	$ 64.50	$ 4.15	$ 68.65	$ 332.25	$ 71.00	$ 7.80	$ 78.80
JUN	$ 69.90	$ 6.75	$ 76.65	$ 334.35	$ 70.85	$ 3.70	$ 74.55
JUL	$ 81.40	$ 6.10	$ 87.50	$ 350.25	$ 67.35	$ 4.25	$ 71.60
AUG	$ 47.95	$ .30	$ 48.25	$ 322.90	$ 61.30	$ 14.30	$ 75.60
SEP	$ 45.90	$ 9.30	$ 55.20	$ 269.15	$ 94.30	$ 14.65	$ 108.95
OCT (P)	$ 68.10	$ 17.60	$ 85.70	$ 289.90	$ 57.20	$ 7.75	$ 64.95
10 MONTHS	$ 610.15	$ 100.45	$ 710.60		$ 710.50	$ 90.50	$ 801.00

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$ 743.70	$ 123.55	$ 867.25	$ 24.65	$ 11.00	$ 35.65
1990						
JAN	$ 41.95	$ 18.90	$ 60.85	$ .45	$ .25	$ .70
FEB	$ 60.10	$ 21.60	$ 81.70	$ 3.40	$ .05	$ 3.45
MAR	$ 57.30	$ 10.75	$ 68.05	$ .35	$ .05	$ .40
APR	$ 79.40	$ 5.40	$ 84.80	$ 2.15	$ .05	$ 2.20
MAY	$ 65.40	$ 4.20	$ 69.60	$ .90	$ .05	$ .95
JUN	$ 71.55	$ 6.80	$ 78.35	$ 1.65	$ .05	$ 1.70
JUL	$ 81.50	$ 6.15	$ 87.65	$ .10	$ .05	$ .15
AUG	$ 50.00	$ 7.00	$ 57.00	$ 2.05	$ 6.70	$ 8.75
SEP	$ 47.30	$ 9.35	$ 56.65	$ 1.40	$ .05	$ 1.45
OCT (P)	$ 68.15	$ 17.65	$ 85.80	$ .05	$ .05	$ .10
10 MONTHS	$ 622.65	$ 107.80	$ 730.45	$ 12.50	$ 7.35	$ 19.85

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

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NEWS

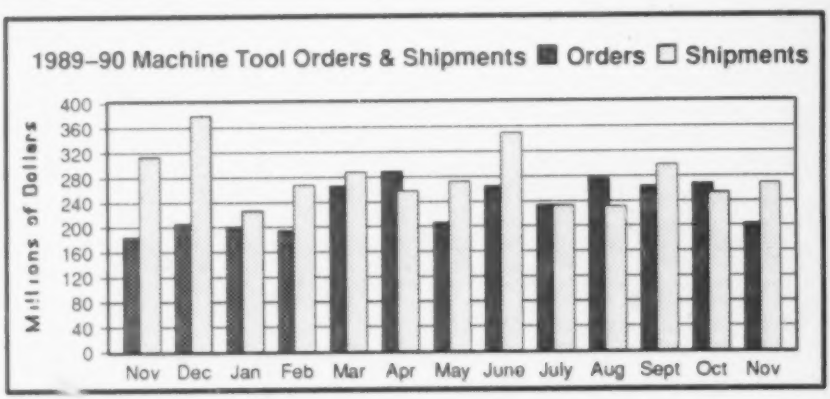
NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: December 31, 1990

Contact: Charles Pollock, Vice President, Communications, 703–827–5206
Glyn Finley, Statistical Director, 703–827–5255

Year–to–date machine tool orders level with '89

Machine tool orders totaled $203.40 million in November, down 24.1% from October's $268.10 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. At $2,669.55 million, year–to–date orders are 2.6% ahead of last year's $2,601.65 million for the same period. Comparing November 1990 with the same month last year, orders are up 10.3%.



Machine tool shipments rose 5.9%, going from $253.75 million in October to $268.65 million in November. Year–to–date shipments total $2,950.60 million, up 4.8% from 1989's $2,816.25 million. Compared to November a year ago, shipments are down 14.4%.

Albert W. Moore, NMTBA president said, "Concern about the economy and the uncertainty in the Persian Gulf have created understandable wariness in recent months. But within our industry there are fundamental reasons for optimism. Continued export opportunities, particularly now that the dollar is at a more realistic level, and the need for investment by American manufacturers mean business for machine tool builders. In today's market, U.S firms must actively seek export opportunities, while at the same time selling to foreign transplant companies manufacturing here in the United States."

(more)

He added, "We are encouraged by the recent actions of the Federal Reserve to lower the discount rate. Government and industry must both do their part to revitalize U.S. production and trade."

Metal Cutting

November metal cutting orders totaled $137.45 million, down 24.6% compared to October. At $1,893.00 million, year–to–date metal cutting orders are 4.1% ahead of the figure for the same period in 1989. Compared to November 1989, orders for November 1990 were up 6.6%.

At $183.45 million, November metal cutting shipments were down 2.8%. Year–to–date metal cutting shipments reached $2,064.40 million, up 0.9% compared to the same period in 1989. November 1990 metal cutting shipments were down 19.8% compared to November 1989.

Metal Forming

November metal forming orders totaled $65.95 million, down 23.0% compared to October. Year–to–date metal forming orders stand at $776.55 million, down 0.9% compared to the same period in 1989. Comparing November 1990 to November 1989, metal forming orders are up 18.8%.

At $85.20 million, November metal forming shipments were up 31.2% for the month. Year–to–date metal forming shipments reached $886.20 million, 15.0% above the same period in 1989. Comparing November 1990 to November 1989, shipments were level.

Backlog

The machine tool order backlog for November 1990 is $1,522.55 million, down from October's $1,587.80 million. The November 1989 backlog was $1,976.65 million.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
NOV 1990	113.90	23.55	137.45	48.00	17.95	65.95	161.90	41.50	203.40
OCT 1990	166.05	16.35	182.40	68.10	17.60	85.70	234.15	33.95	268.10
% CHANGE NOV 1990:OCT 1990	-31.4	+44.0	-24.6	-29.5	+2.0	-23.0	-30.9	+22.2	-24.1
NOV 1989	108.15	20.75	128.90	40.05	15.45	55.50	148.20	36.20	184.40
% CHANGE NOV 1990:NOV 1989	+5.3	+13.5	+6.6	+19.9	+16.2	+18.8	+9.2	+14.6	+10.3
YEAR TO DATE 1990	1,621.65	271.35	1,893.00	658.15	118.40	776.55	2,279.80	389.75	2,669.55
YEAR TO DATE 1989	1,587.60	230.20	1,817.80	676.85	107.00	783.85	2,264.45	337.20	2,601.65
% CHANGE 1990 : 1989	+2.1	+17.9	+4.1	-2.8	+10.7	-0.9	+0.7	+15.6	+2.6

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
NOV 1990	161.80	21.65	183.45	63.35	21.85	85.20	225.15	43.50	268.65
OCT 1990	164.90	23.90	188.80	57.20	7.75	64.95	222.10	31.65	253.75
% CHANGE NOV 1990:OCT 1990	-1.9	-9.4	-2.8	+10.8	+181.9	+31.2	+1.4	+37.4	+5.9
NOV 1989	201.10	27.50	228.60	64.15	20.95	85.10	265.25	48.45	313.70
% CHANGE NOV 1990:NOV 1989	-19.5	-21.3	-19.8	-1.2	+4.3	+0.1	-15.1	-10.2	-14.4
YEAR TO DATE 1990	1,795.70	268.70	2,064.40	773.85	112.35	886.20	2,569.55	381.05	2,950.60
YEAR TO DATE 1989	1,798.80	247.05	2,045.85	646.30	124.10	770.40	2,445.10	371.15	2,816.25
% CHANGE 1990 : 1989	-0.2	+8.8	+0.9	+19.7	-9.5	+15.0	+5.1	+2.7	+4.8

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$2,441.85	$ 366.10	$2,807.95	$1,803.60	$2,763.35	$ 432.25	$3,195.60
1990							
JAN	$ 159.20	$ 42.10	$ 201.30	$1,778.55	$ 199.05	$ 27.30	$ 226.35
FEB	$ 157.15	$ 37.40	$ 194.55	$1,705.10	$ 233.30	$ 34.70	$ 268.00
MAR	$ 189.55	$ 76.30	$ 265.85	$1,682.05	$ 246.25	$ 42.65	$ 288.90
APR	$ 264.70	$ 24.55	$ 289.25	$1,713.20	$ 218.35	$ 39.75	$ 258.10
MAY	$ 181.30	$ 25.15	$ 206.45	$1,646.70	$ 243.30	$ 29.65	$ 272.95
JUN	$ 221.10	$ 44.15	$ 265.25	$1,561.70	$ 310.95	$ 39.30	$ 350.25
JUL	$ 213.95	$ 20.30	$ 234.25	$1,562.55	$ 211.35	$ 22.05	$ 233.40
AUG	$ 260.15	$ 16.65	$ 276.80	$1,608.00	$ 197.15	$ 34.20	$ 231.35
SEP	$ 236.65	$ 27.70	$ 264.35	$1,573.45	$ 262.60	$ 36.30	$ 298.90
OCT	$ 234.15	$ 33.95	$ 268.10	$1,587.80	$ 222.10	$ 31.65	$ 253.75
NOV (P)	$ 161.90	$ 41.50	$ 203.40	$1,522.55	$ 225.15	$ 43.50	$ 268.65
11 MONTHS	$2,279.80	$ 389.75	$2,669.55		$2,569.55	$ 381.05	$2,950.60

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$2,581.50	$ 405.20	$2,986.70	$ 139.65	$ 39.10	$ 178.75
1990						
JAN	$ 162.30	$ 44.05	$ 206.35	$ 3.10	$ 1.95	$ 5.05
FEB	$ 162.30	$ 38.30	$ 200.60	$ 5.15	$ .90	$ 6.05
MAR	$ 204.10	$ 79.95	$ 284.05	$ 14.55	$ 3.65	$ 18.20
APR	$ 278.80	$ 24.70	$ 303.50	$ 14.10	$ .15	$ 14.25
MAY	$ 195.60	$ 25.95	$ 221.55	$ 14.30	$ .80	$ 15.10
JUN	$ 226.95	$ 47.65	$ 274.60	$ 5.85	$ 3.50	$ 9.35
JUL	$ 224.45	$ 26.15	$ 250.60	$ 10.50	$ 5.85	$ 16.35
AUG	$ 266.60	$ 24.05	$ 290.65	$ 6.45	$ 7.40	$ 13.85
SEP	$ 242.00	$ 28.30	$ 270.30	$ 5.35	$ .60	$ 5.95
OCT	$ 242.70	$ 35.30	$ 278.00	$ 8.55	$ 1.35	$ 9.90
NOV (P)	$ 168.80	$ 42.15	$ 210.95	$ 6.90	$ .65	$ 7.55
11 MONTHS	$2,374.60	$ 416.55	$2,791.15	$ 94.80	$ 26.80	$ 121.60

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$1,722.80	$ 253.55	$1,976.35	$1,423.30	$2,059.20	$ 299.40	$2,358.60
1990							
JAN	$ 117.70	$ 23.45	$ 141.15	$1,402.25	$ 143.40	$ 18.80	$ 162.20
FEB	$ 100.45	$ 15.85	$ 116.30	$1,349.05	$ 143.60	$ 25.90	$ 169.50
MAR	$ 132.60	$ 65.60	$ 198.20	$1,333.10	$ 179.80	$ 34.35	$ 214.15
APR	$ 187.45	$ 19.20	$ 206.65	$1,370.80	$ 141.65	$ 27.30	$ 168.95
MAY	$ 116.80	$ 21.00	$ 137.80	$1,314.45	$ 172.30	$ 21.85	$ 194.15
JUN	$ 151.20	$ 37.40	$ 188.60	$1,227.35	$ 240.10	$ 35.60	$ 275.70
JUL	$ 132.55	$ 14.20	$ 146.75	$1,212.30	$ 144.00	$ 17.80	$ 161.80
AUG	$ 212.20	$ 16.35	$ 228.55	$1,285.10	$ 135.85	$ 19.90	$ 155.75
SEP	$ 190.75	$ 18.40	$ 209.15	$1,304.30	$ 168.30	$ 21.65	$ 189.95
OCT	$ 166.05	$ 16.35	$ 182.40	$1,297.90	$ 164.90	$ 23.90	$ 188.80
NOV (P)	$ 113.90	$ 23.55	$ 137.45	$1,251.90	$ 161.80	$ 21.65	$ 183.45
11 MONTHS	$1,621.65	$ 271.35	$1,893.00		$1,795.70	$ 268.70	$2,064.40

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$1,837.80	$ 281.65	$2,119.45	$ 115.00	$ 28.10	$ 143.10
1990						
JAN	$ 120.35	$ 25.15	$ 145.50	$ 2.65	$ 1.70	$ 4.35
FEB	$ 102.20	$ 16.70	$ 118.90	$ 1.75	$ .85	$ 2.60
MAR	$ 146.80	$ 69.20	$ 216.00	$ 14.20	$ 3.60	$ 17.80
APR	$ 199.40	$ 19.30	$ 218.70	$ 11.95	$ .09	$ 12.05
MAY	$ 130.20	$ 21.75	$ 151.95	$ 13.40	$ .75	$ 14.15
JUN	$ 155.40	$ 40.85	$ 196.25	$ 4.20	$ 3.45	$ 7.65
JUL	$ 142.95	$ 20.00	$ 162.95	$ 10.40	$ 5.80	$ 16.20
AUG	$ 216.60	$ 17.05	$ 233.65	$ 4.40	$ .70	$ 5.10
SEP	$ 194.70	$ 18.95	$ 213.65	$ 3.95	$ .55	$ 4.50
OCT	$ 174.55	$ 17.65	$ 192.20	$ 8.50	$ 1.30	$ 9.80
NOV (P)	$ 120.20	$ 24.05	$ 144.25	$ 6.30	$ .50	$ 6.80
11 MONTHS	$1,703.35	$ 290.65	$1,994.00	$ 81.70	$ 19.30	$ 101.00

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1989	$ 719.05	$ 112.55	$ 831.60	$380.30	$ 704.15	$ 132.85	$ 837.00
1990							
JAN	$ 41.50	$ 18.65	$ 60.15	$376.30	$ 55.65	$ 8.50	$ 64.15
FEB	$ 56.70	$ 21.55	$ 78.25	$356.05	$ 89.70	$ 8.80	$ 98.50
MAR	$ 56.95	$ 10.70	$ 67.65	$348.95	$ 66.45	$ 8.30	$ 74.75
APR	$ 77.25	$ 5.35	$ 82.60	$342.40	$ 76.70	$ 12.45	$ 89.15
MAY	$ 64.50	$ 4.15	$ 68.65	$332.25	$ 71.00	$ 7.80	$ 78.80
JUN	$ 69.90	$ 6.75	$ 76.65	$334.35	$ 70.85	$ 3.70	$ 74.55
JUL	$ 81.40	$ 6.10	$ 87.50	$350.25	$ 67.35	$ 4.25	$ 71.60
AUG	$ 47.95	$ .30	$ 48.25	$322.90	$ 61.30	$ 14.30	$ 75.60
SEP	$ 45.90	$ 9.30	$ 55.20	$269.15	$ 94.30	$ 14.65	$ 108.95
OCT	$ 68.10	$ 17.60	$ 85.70	$289.90	$ 57.20	$ 7.75	$ 64.95
NOV (P)	$ 48.00	$ 17.95	$ 65.95	$270.65	$ 63.35	$ 21.85	$ 85.20
11 MONTHS	$ 658.15	$ 118.40	$ 776.55		$ 773.85	$ 112.35	$ 886.20

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1989	$ 743.70	$ 123.55	$ 867.25	$ 24.65	$ 11.00	$ 35.65
1990						
JAN	$ 41.95	$ 18.90	$ 60.85	$ .45	$ .25	$ .70
FEB	$ 60.10	$ 21.60	$ 81.70	$ 3.40	$ .05	$ 3.45
MAR	$ 57.30	$ 10.75	$ 68.05	$ .35	$ .05	$ .40
APR	$ 79.40	$ 5.40	$ 84.80	$ 2.15	$ .05	$ 2.20
MAY	$ 65.40	$ 4.20	$ 69.60	$ .90	$ .05	$ .95
JUN	$ 71.55	$ 6.80	$ 78.35	$ 1.65	$ .05	$ 1.70
JUL	$ 81.50	$ 6.15	$ 87.65	$ .09	$ .05	$ .15
AUG	$ 50.00	$ 7.00	$ 57.00	$ 2.05	$ 6.70	$ 8.75
SEP	$ 47.30	$ 9.35	$ 56.65	$ 1.40	$ .05	$ 1.45
OCT	$ 68.15	$ 17.65	$ 85.80	$ .05	$ .05	$ .10
NOV (P)	$ 48.60	$ 18.10	$ 66.70	$ .60	$ .15	$ .75
11 MONTHS	$ 671.25	$ 125.90	$ 797.15	$ 13.10	$ 7.50	$ 20.60

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

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NEWS

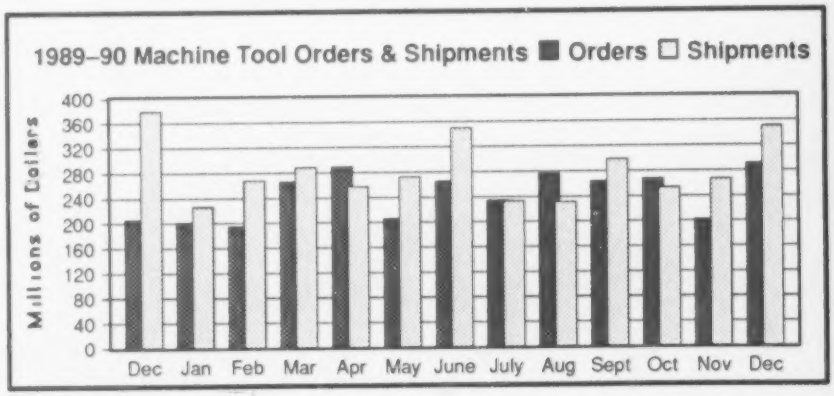
NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: January 28, 1991
Contact: Charles Pollock, Vice President, Communications, 703–827–5206
Glyn Finley, Statistical Director, 703–827–5255

December machine tool orders up 43.7%

December machine tool orders totaled $291.35 million, up 43.7% from November's $202.75 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. Total machine tool orders for 1990 reached $2,960.25 million, 5.4% higher than 1989's $2,807.95 million. Comparing December 1990 with December 1989, orders were up 41.2%.

Total machine tool shipments in December reached $350.95 million, 31.2% above November's $267.45 million. Year–to–date shipments totaled $3,300.35 million, 3.3% ahead of the $3,195.60 million tallied in 1989, and the highest level since 1982. Compared to December a year ago, machine tool shipments were down 7.5%.



Albert W. Moore, NMTBA president noted, "The continued strong order levels are an indication that capital spending plans are holding firm despite current economic weakness. December's new order total is the highest monthly total since September of 1989, and the total for the year is the second highest since 1980. The mentality of U.S. manufacturers has changed: investment spending is no longer the first thing cut from the budget when a downturn approaches. On the contrary, manufacturers now realize that investment is the very thing needed to ensure efficient and competitive production."

(more)

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He added, "The war in the Persian Gulf demonstrates once again that America needs a strong industrial base. Machine tools are an important part of that base, a part of the reason that 'Made in America' means superior technology and strength."

Metal Cutting

December metal cutting orders totaled $173.40 million, 26.9% above November's total. At $2,065.60 million, 1990 total metal cutting orders closed out 4.5% ahead of the total for 1989. Compared to the same month in 1989, December 1990 metal cutting orders were up 9.4%.

December metal cutting shipments reached $266.45 million, up 46.2% compared to November. Metal cutting shipments for the year were $2,329.60 million, down only 1.2% compared to 1989. December 1990 metal cutting shipments were down 14.8% compared to December 1989.

Metal Forming

December metal forming orders totaled $117.95 million, up 78.4% from November. Year–to–date 1990 metal forming orders totaled $894.65 million, up 7.6% compared to 1989, and the highest level since 1984. December 1990 metal forming orders were 147.0% higher than December 1989 orders.

At $84.50 million, December metal forming shipments were level with the previous month. Year–to–date metal forming shipments reached $970.75 million, 16.0% above the total for 1989. Comparing December 1990 to December 1989, shipments rose 26.9%.

Backlog

The machine tool order backlog for December 1990 is $1,463.50 million, down from November's $1,523.10 million. The December 1989 backlog was $1,803.60 million.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
DEC 1990	151.10	22.30	173.40	102.50	15.45	117.95	253.60	37.75	291.35
NOV 1990	113.10	23.55	136.65	48.15	17.95	66.10	161.25	41.50	202.75
% CHANGE									
DEC 1990:NOV 1990	+33.6	-5.3	+26.9	+112.9	-13.9	+78.4	+57.3	-9.0	+43.7
DEC 1989	135.20	23.35	158.55	42.20	5.55	47.75	177.40	28.90	206.30
% CHANGE									
DEC 1990:DEC 1989	+11.8	-4.5	+9.4	+142.9	+178.4	+147.0	+43.0	+30.6	+41.2
YEAR TO DATE 1990	1,771.95	293.65	2,065.60	760.80	133.85	894.65	2,532.75	427.50	2,960.25
YEAR TO DATE 1989	1,722.80	253.55	1,976.35	719.05	112.55	831.60	2,441.85	366.10	2,807.95
% CHANGE									
1990 : 1989	+2.9	+15.8	+4.5	+5.8	+18.9	+7.6	+3.7	+16.8	+5.4

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
DEC 1990	209.95	56.50	266.45	77.65	6.85	84.50	287.60	63.35	350.95
NOV 1990	160.60	21.60	182.20	63.40	21.85	85.25	224.00	43.45	267.45
% CHANGE									
DEC 1990:NOV 1990	+30.7	+161.6	+46.2	+22.5	-68.6	-0.9	+28.4	+45.8	+31.2
DEC 1989	260.40	52.35	312.75	57.85	8.75	66.60	318.25	61.10	379.35
% CHANGE									
DEC 1990:DEC 1989	-19.4	+7.9	-14.8	+34.2	-21.7	+26.9	-9.6	+3.7	-7.5
YEAR TO DATE 1990	2,004.45	325.15	2,329.60	851.55	119.20	970.75	2,856.00	444.35	3,300.35
YEAR TO DATE 1989	2,059.20	299.40	2,358.60	704.15	132.85	837.00	2,763.35	432.25	3,195.60
% CHANGE									
1990 : 1989	-2.7	+8.6	-1.2	+20.9	-10.3	+16.0	+3.4	+2.8	+3.3

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$2,441.85	$ 366.10	$2,807.95	$1,803.60	$2,763.35	$ 432.25	$3,195.60
1990							
JAN	$ 159.20	$ 42.10	$ 201.30	$1,778.55	$ 199.05	$ 27.30	$ 226.35
FEB	$ 157.15	$ 37.40	$ 194.55	$1,705.10	$ 233.30	$ 34.70	$ 268.00
MAR	$ 189.55	$ 76.30	$ 265.85	$1,682.05	$ 246.25	$ 42.65	$ 288.90
APR	$ 264.70	$ 24.55	$ 289.25	$1,713.20	$ 218.35	$ 39.75	$ 258.10
MAY	$ 181.30	$ 25.15	$ 206.45	$1,646.70	$ 243.30	$ 29.65	$ 272.95
JUN	$ 221.10	$ 44.15	$ 265.25	$1,561.70	$ 310.95	$ 39.30	$ 350.25
JUL	$ 213.95	$ 20.30	$ 234.25	$1,562.55	$ 211.35	$ 22.05	$ 233.40
AUG	$ 260.15	$ 16.65	$ 276.80	$1,608.00	$ 197.15	$ 34.20	$ 231.35
SEP	$ 236.65	$ 27.70	$ 264.35	$1,573.45	$ 262.60	$ 36.30	$ 298.90
OCT	$ 234.15	$ 33.95	$ 268.10	$1,587.80	$ 222.10	$ 31.65	$ 253.75
NOV	$ 161.25	$ 41.50	$ 202.75	$1,523.10	$ 224.00	$ 43.45	$ 267.45
DEC (P)	$ 253.60	$ 37.75	$ 291.35	$1,463.50	$ 287.60	$ 63.35	$ 350.95
12 MONTHS	$2,532.75	$ 427.50	$2,960.25		$2,856.00	$ 444.35	$3,300.35

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$2,581.50	$ 405.20	$2,986.70	$ 139.65	$ 39.10	$ 178.75
1990						
JAN	$ 162.30	$ 44.05	$ 206.35	$ 3.10	$ 1.95	$ 5.05
FEB	$ 162.30	$ 38.30	$ 200.60	$ 5.15	$ .90	$ 6.05
MAR	$ 204.10	$ 79.95	$ 284.05	$ 14.55	$ 3.65	$ 18.20
APR	$ 278.80	$ 24.70	$ 303.50	$ 14.10	$ .15	$ 14.25
MAY	$ 195.60	$ 25.95	$ 221.55	$ 14.30	$ .80	$ 15.10
JUN	$ 226.95	$ 47.65	$ 274.60	$ 5.85	$ 3.50	$ 9.35
JUL	$ 224.45	$ 26.15	$ 250.60	$ 10.50	$ 5.85	$ 16.35
AUG	$ 266.60	$ 24.05	$ 290.65	$ 6.45	$ 7.40	$ 13.85
SEP	$ 242.00	$ 28.30	$ 270.30	$ 5.35	$ .60	$ 5.95
OCT	$ 242.70	$ 35.30	$ 278.00	$ 8.55	$ 1.35	$ 9.90
NOV	$ 168.10	$ 42.15	$ 210.25	$ 6.85	$ .65	$ 7.50
DEC (P)	$ 267.55	$ 38.55	$ 306.10	$ 13.95	$ .80	$ 14.75
12 MONTHS	$2,641.45	$ 455.10	$3,096.55	$ 108.70	$ 27.60	$ 136.30

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1989	$1,722.80	$ 253.55	$1,976.35	$1,423.30	$2,059.20	$ 299.40	$2,358.60
1990							
JAN	$ 117.70	$ 23.45	$ 141.15	$1,402.25	$ 143.40	$ 18.80	$ 162.20
FEB	$ 100.45	$ 15.85	$ 116.30	$1,349.05	$ 143.60	$ 25.90	$ 169.50
MAR	$ 132.60	$ 65.60	$ 198.20	$1,333.10	$ 179.80	$ 34.35	$ 214.15
APR	$ 187.45	$ 19.20	$ 206.65	$1,370.80	$ 141.65	$ 27.30	$ 168.95
MAY	$ 116.80	$ 21.00	$ 137.80	$1,314.45	$ 172.30	$ 21.85	$ 194.15
JUN	$ 151.20	$ 37.40	$ 188.60	$1,227.35	$ 240.10	$ 35.60	$ 275.70
JUL	$ 132.55	$ 14.20	$ 146.75	$1,212.30	$ 144.00	$ 17.80	$ 161.80
AUG	$ 212.20	$ 16.35	$ 228.55	$1,285.10	$ 135.85	$ 19.90	$ 155.75
SEP	$ 190.75	$ 18.40	$ 209.15	$1,304.30	$ 168.30	$ 21.65	$ 189.95
OCT	$ 166.05	$ 16.35	$ 182.40	$1,297.90	$ 164.90	$ 23.90	$ 188.80
NOV	$ 113.10	$ 23.55	$ 136.65	$1,252.35	$ 160.60	$ 21.60	$ 182.20
DEC (P)	$ 151.10	$ 22.30	$ 173.40	$1,159.30	$ 209.95	$ 56.50	$ 266.45
12 MONTHS	$1,771.95	$ 293.65	$2,065.60		$2,004.45	$ 325.15	$2,329.60

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1989	$1,837.80	$ 281.65	$2,119.45	$ 115.00	$ 28.10	$ 143.10
1990						
JAN	$ 120.35	$ 25.15	$ 145.50	$ 2.65	$ 1.70	$ 4.35
FEB	$ 102.20	$ 16.70	$ 118.90	$ 1.75	$ .85	$ 2.60
MAR	$ 146.80	$ 69.20	$ 216.00	$ 14.20	$ 3.60	$ 17.80
APR	$ 199.40	$ 19.30	$ 218.70	$ 11.95	$ .09	$ 12.05
MAY	$ 130.20	$ 21.75	$ 151.95	$ 13.40	$ .75	$ 14.15
JUN	$ 155.40	$ 40.85	$ 196.25	$ 4.20	$ 3.45	$ 7.65
JUL	$ 142.95	$ 20.00	$ 162.95	$ 10.40	$ 5.80	$ 16.20
AUG	$ 216.60	$ 17.05	$ 233.65	$ 4.40	$ .70	$ 5.10
SEP	$ 194.70	$ 18.95	$ 213.65	$ 3.95	$ .55	$ 4.50
OCT	$ 174.55	$ 17.65	$ 192.20	$ 8.50	$ 1.30	$ 9.80
NOV	$ 119.35	$ 24.05	$ 143.40	$ 6.25	$ .50	$ 6.75
DEC (P)	$ 164.70	$ 23.05	$ 187.75	$ 13.60	$ .75	$ 14.35
12 MONTHS	$1,867.20	$ 313.70	$2,180.90	$ 95.25	$ 20.05	$ 115.30

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1989	$ 719.05	$ 112.55	$ 831.60	$ 380.30	$ 704.15	$ 132.85	$ 837.00
1990							
JAN	$ 41.50	$ 18.65	$ 60.15	$ 376.30	$ 55.65	$ 8.50	$ 64.15
FEB	$ 56.70	$ 21.55	$ 78.25	$ 356.05	$ 89.70	$ 8.80	$ 98.50
MAR	$ 56.95	$ 10.70	$ 67.65	$ 348.95	$ 66.45	$ 8.30	$ 74.75
APR	$ 77.25	$ 5.35	$ 82.60	$ 342.40	$ 76.70	$ 12.45	$ 89.15
MAY	$ 64.50	$ 4.15	$ 68.65	$ 332.25	$ 71.00	$ 7.80	$ 78.80
JUN	$ 69.90	$ 6.75	$ 76.65	$ 334.35	$ 70.85	$ 3.70	$ 74.55
JUL	$ 81.40	$ 6.10	$ 87.50	$ 350.25	$ 67.35	$ 4.25	$ 71.60
AUG	$ 47.95	$ .30	$ 48.25	$ 322.90	$ 61.30	$ 14.30	$ 75.60
SEP	$ 45.90	$ 9.30	$ 55.20	$ 269.15	$ 94.30	$ 14.65	$ 108.95
OCT	$ 68.10	$ 17.60	$ 85.70	$ 289.90	$ 57.20	$ 7.75	$ 64.95
NOV	$ 48.15	$ 17.95	$ 66.10	$ 270.75	$ 63.40	$ 21.85	$ 85.25
DEC (P)	$ 102.50	$ 15.45	$ 117.95	$ 304.20	$ 77.65	$ 6.85	$ 84.50
12 MONTHS	$ 760.80	$ 133.85	$ 894.65		$ 851.55	$ 119.20	$ 970.75

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1989	$ 743.70	$ 123.55	$ 867.25	$ 24.65	$ 11.00	$ 35.65
1990						
JAN	$ 41.95	$ 18.90	$ 60.85	$ .45	$ .25	$ .70
FEB	$ 60.10	$ 21.60	$ 81.70	$ 3.40	$ .05	$ 3.45
MAR	$ 57.30	$ 10.75	$ 68.05	$ .35	$ .05	$ .40
APR	$ 79.40	$ 5.40	$ 84.80	$ 2.15	$ .05	$ 2.20
MAY	$ 65.40	$ 4.20	$ 69.60	$ .90	$ .05	$ .95
JUN	$ 71.55	$ 6.80	$ 78.35	$ 1.65	$ .05	$ 1.70
JUL	$ 81.50	$ 6.15	$ 87.65	$ .09	$ .05	$ .15
AUG	$ 50.00	$ 7.00	$ 57.00	$ 2.05	$ 6.70	$ 8.75
SEP	$ 47.30	$ 9.35	$ 56.65	$ 1.40	$ .05	$ 1.45
OCT	$ 68.15	$ 17.65	$ 85.80	$ .05	$ .05	$ .10
NOV	$ 48.75	$ 18.10	$ 66.85	$ .60	$ .15	$ .75
DEC (P)	$ 102.85	$ 15.50	$ 118.35	$ .35	$ .05	$ .40
12 MONTHS	$ 774.25	$ 141.40	$ 915.65	$. 13.45	$ 7.55	$ 21.00

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS

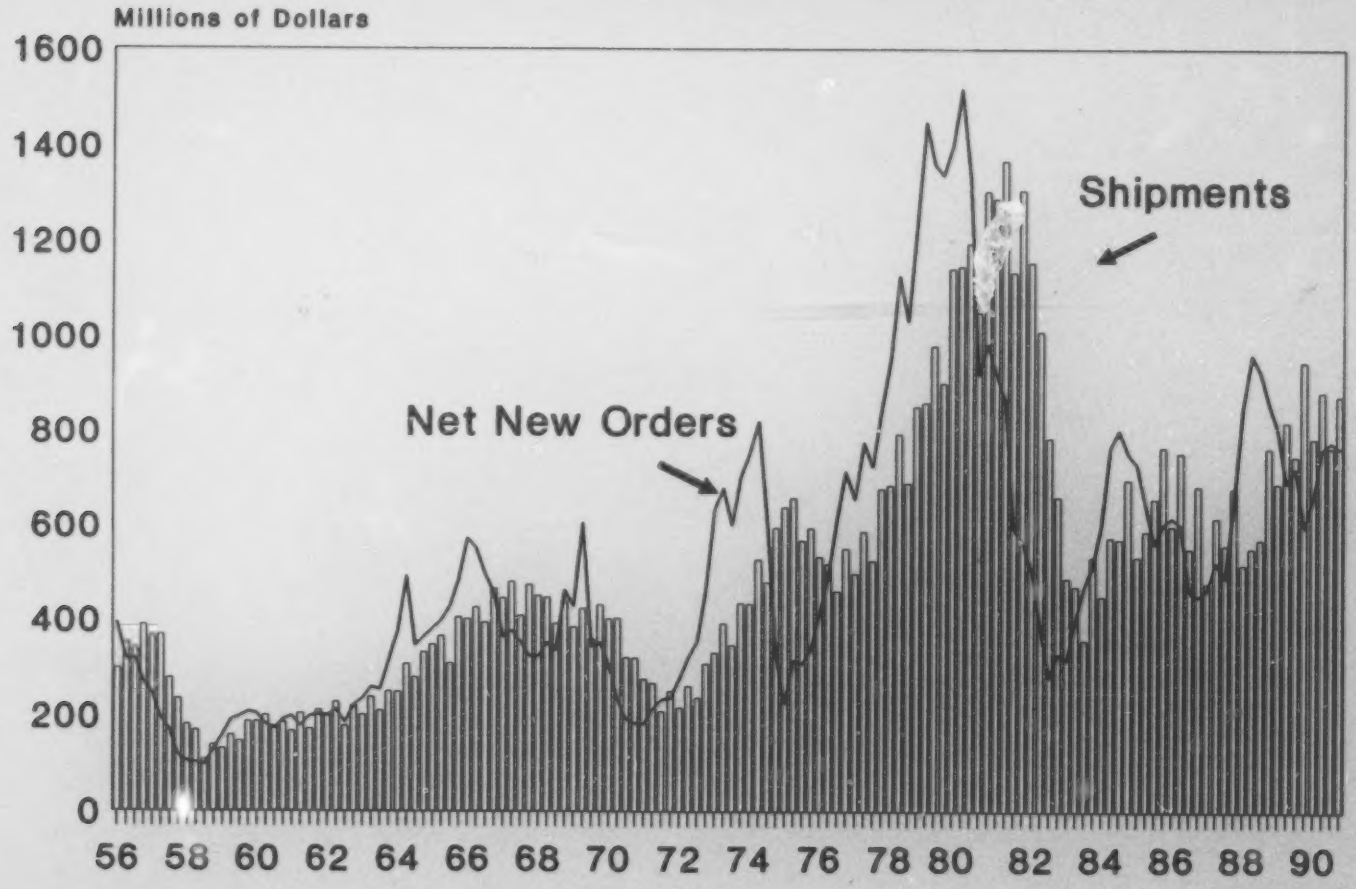
(Dollar Figures in Thousands)
1984 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1984-1	$ 449,500	$ 40,550	$ 600,450	$ 298,100	$ 25,100	$ 412,750	$ 151,400	$ 15,450	$ 187,700
2	572,300	50,700	764,400	401,800	28,250	499,200	170,500	22,450	265,200
3	568,850	41,850	800,200	401,550	24,300	493,000	167,300	17,550	307,200
4	695,200	60,150	750,750	505,050	45,000	510,850	190,150	15,150	239,900
Total	$2,285,850	$193,250	$2,915,800	$1,606,500	$122,650	$1,915,800	$ 679,350	$ 70,600	$1,000,000
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2	614,100	71,300	521,150	442,600	46,300	339,300	171,500	25,000	181,850
3	556,650	66,300	487,850	397,750	43,350	324,550	158,900	22,950	163,300
4	676,100	93,350	646,100	487,000	49,950	461,500	189,100	43,400	184,600
Total	$2,323,650	$286,900	$2,118,800	$1,676,500	$177,650	$1,451,450	$ 647,150	$ 109,250	$ 667,350
1988-1	$ 516,500	$ 60,000	$ 850,000	$ 317,850	$ 35,300	$ 666,250	$ 198,650	$ 24,700	$ 183,750
2	551,150	74,400	960,500	339,350	40,900	676,500	211,800	33,500	284,000
3	569,200	66,350	922,650	391,300	38,650	715,000	177,900	27,700	207,650
4	762,250	96,050	857,700	526,050	59,600	650,150	236,200	36,450	207,550
Total	$2,399,100	$296,800	$3,590,850	$1,574,550	$174,450	$2,707,900	$ 824,550	$ 122,350	$ 682,950
1989-1	$ 687,650	$ 81,400	$ 803,300	$ 481,550	$ 50,900	$ 602,550	$ 206,100	$ 30,500	$ 200,750
2	817,850	101,150	688,500	578,150	64,450	459,550	239,700	36,700	228,950
3	745,500	109,350	720,450	574,000	82,600	481,900	171,500	26,750	238,550
4	944,600	140,350	595,700	724,900	101,450	432,350	219,700	38,900	163,350
Total	$3,195,600	$432,250	$2,807,950	$2,358,600	$299,400	$1,976,350	$ 837,000	$ 132,850	$ 831,600
1990-1	$ 783,250	$104,650	$ 661,700	$ 545,850	$ 79,050	$ 455,650	$ 237,400	$ 25,600	$ 206,050
2	881,300	108,700	760,950	638,800	84,750	533,050	242,500	23,950	227,900
3	763,650	92,550	775,400	507,500	59,350	584,450	256,150	33,200	190,950
4P	872,150	138,450	762,200	637,450	102,000	492,450	234,700	36,450	269,750
Total	$3,300,350	$444,350	$2,960,250	$2,329,600	$325,150	$2,065,600	$ 970,750	$ 119,200	$ 894,650

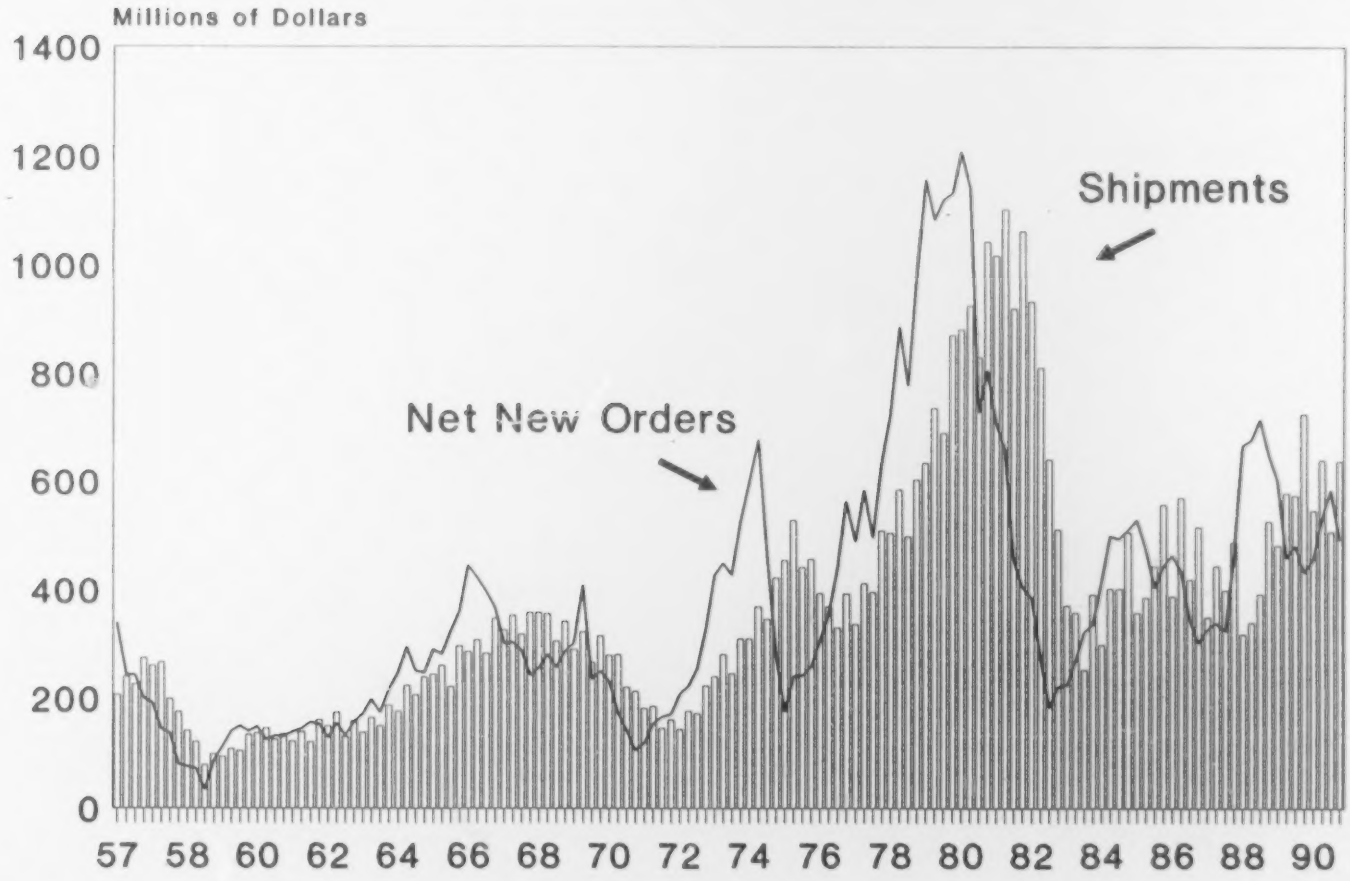
P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

January 28, 1991

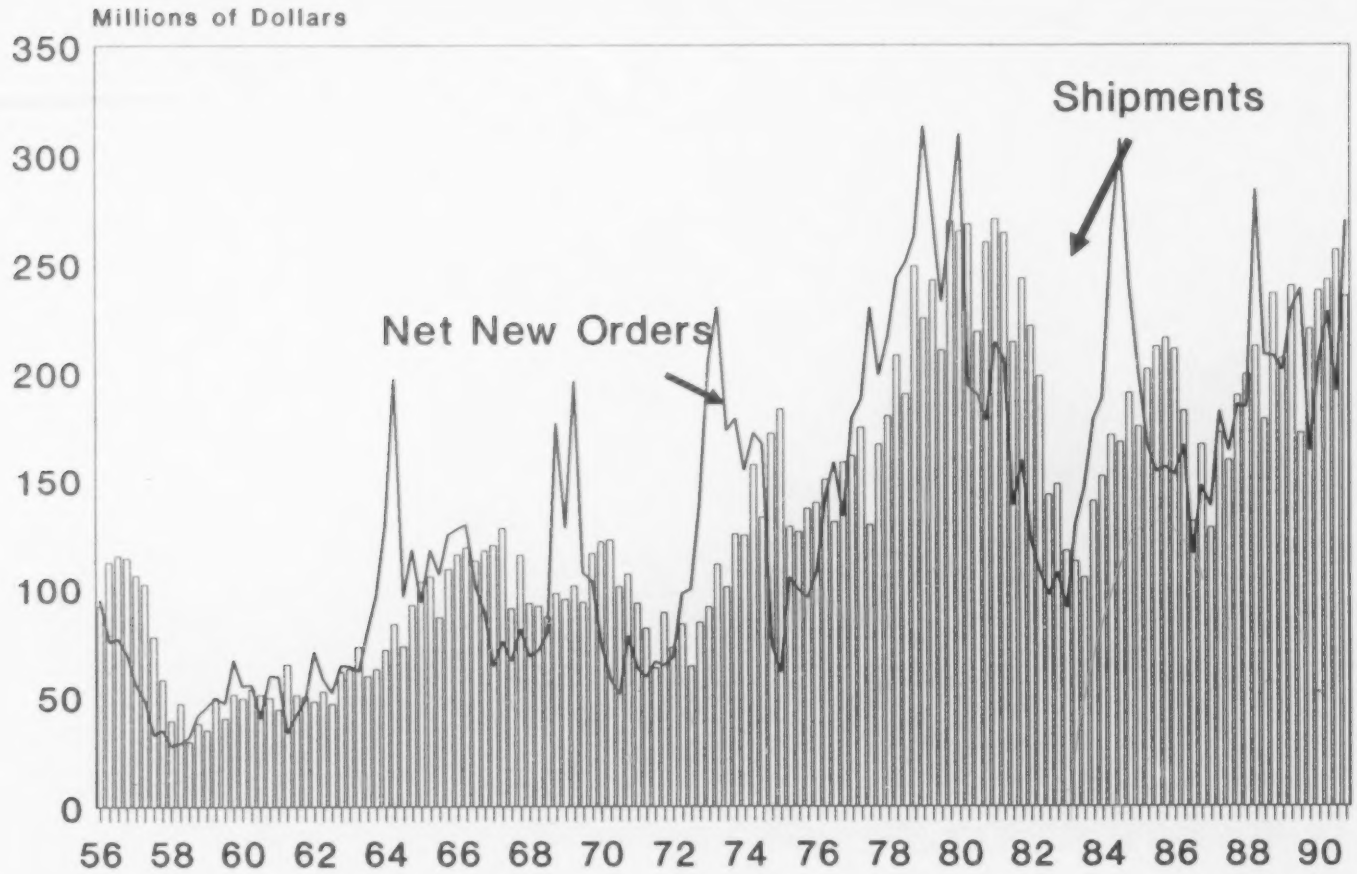
Total Machine Tools
Shipments and Net New Orders, Quarterly



Metal Cutting Machine Tools
Shipments and Net New Orders, Quarterly



Metal Forming Machine Tools
Shipments and Net New Orders, Quarterly



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NEWS

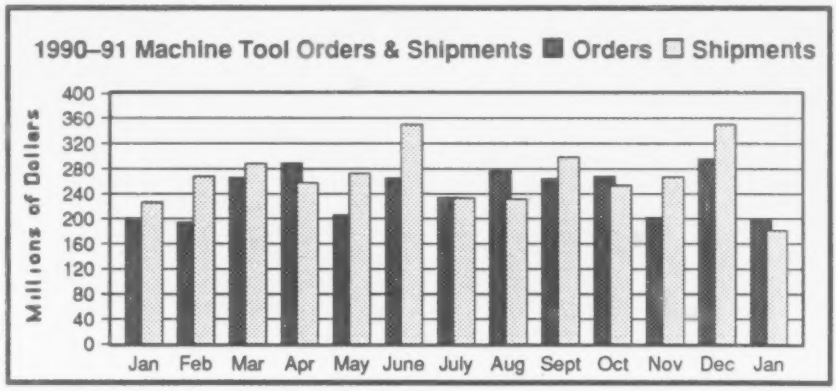
NMTBA
The Association For
Manufacturing Technology

FOR RELEASE: February 25, 1991
Contact: Charles Pollock, Vice President, Communications, 703–827–5206
Glyn Finley, Statistical Director, 703–827–5255

January 1991/January 1990 machine tool orders level

January machine tool orders totaled $199.90 million, down 32.4% compared to December's year–high total of $295.80 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. January 1991 machine tool orders were almost level with January 1990's total of $201.30 million.

At $181.90 million, January machine tool shipments were down 48.1% compared to December's $350.50 million. December's total reflects the usual year end surge in shipments. Comparing January 1991 to January 1990, shipments were down 19.6%.



NMTBA President Albert W. Moore said, "At first glance, January orders look low when compared to the robust December figure. But take a look at January a year ago and you see a nearly identical first–of–the–year total. In spite of the uncertainty created by the current economy and the war in the Persian Gulf, machine tool orders remained firm."

He added "In the long term, we believe U.S. demand for modern manufacturing technology will grow. In his budget, President Bush requested increased funding to rebuild the nation's

(more)

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bridges, highways, and transportation systems. This necessary investment in U.S. infrastructure will stimulate economic growth and improve the quality of life for many Americans. The U.S. machine tool industry will be an important part of this initiative, as they are used to make road building and transportation equipment."

Metal Cutting

January metal cutting orders totaled $130.00 million, down 27% for the month. Comparing January 1991 to January 1990, metal cutting orders were down 7.9%.

At $110.75 million, January metal cutting shipments were off 58.4% from December. Compared to January 1990, January 1991 metal cutting shipments were down 31.7%.

Metal Forming

Metal forming orders totaled $69.90 million in January, down 40.6% from December. Compared to January 1990, January 1991 metal forming orders were up 16.2%.

January metal forming shipments were $71.15 million, down 15.3% compared to December. Compared to January a year ago, shipments were up 10.9%.

Backlog

The machine tool order backlog for January 1991 is $1,486.40 million, up from December's $1,468.40 million. The January 1990 backlog was $1,778.55 million.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JAN 1991	107.15	22.85	130.00	59.90	10.00	69.90	167.05	32.85	199.90
DEC 1990	151.10	27.00	178.10	102.25	15.45	117.70	253.35	42.45	295.80
% CHANGE JAN 1991:DEC 1990	-29.1	-15.4	-27.0	-41.4	-35.3	-40.6	-34.1	-22.6	-32.4
JAN 1990	117.70	23.45	141.15	41.50	18.65	60.15	159.20	42.10	201.30
% CHANGE JAN 1991:JAN 1990	-9.0	-2.6	-7.9	+44.3	-46.4	+16.2	+4.9	-22.0	-0.7
YEAR TO DATE 1991									
YEAR TO DATE 1990		N/A			N/A			N/A	
% CHANGE 1991 : 1990									

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
JAN 1991	93.20	17.55	110.75	60.40	10.75	71.15	153.60	28.30	181.90
DEC 1990	209.95	56.50	266.45	77.20	6.85	84.05	287.15	63.35	350.50
% CHANGE JAN 1991:DEC 1990	-55.6	-68.9	-58.4	-21.8	+56.9	-15.3	-46.5	-55.3	-48.1
JAN 1990	143.40	18.80	162.20	55.65	8.50	64.15	199.05	27.30	226.35
% CHANGE JAN 1991:JAN 1990	-35.0	-6.6	-31.7	+8.5	+26.5	+10.9	-22.8	+3.7	-19.6
YEAR TO DATE 1991									
YEAR TO DATE 1990		N/A			N/A			N/A	
% CHANGE 1991 : 1990									

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$2,532.50	$ 432.20	$2,964.70	$1,468.40	$2,855.55	$ 444.35	$3,299.90
1991 JAN (P)	$ 167.05	$ 32.85	$ 199.90	$1,486.40	$ 153.60	$ 28.30	$ 181.90

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$2,641.25	$ 459.85	$3,101.10	$ 108.75	$ 27.65	$ 136.40
1991 JAN (P)	$ 174.35	$ 39.95	$ 214.30	$ 7.30	$ 7.10	$ 14.40

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$1,771.95	$ 298.35	$2,070.30	$1,164.00	$2,004.45	$ 325.15	$2,329.60
1991							
JAN (P)	$ 107.15	$ 22.85	$ 130.00	$1,183.25	$ 93.20	$ 17.55	$ 110.75

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$1,867.25	$ 318.45	$2,185.70	$ 95.30	$ 20.10	$ 115.40
1991						
JAN (P)	$ 113.40	$ 29.90	$ 143.30	$ 6.25	$ 7.05	$ 13.30

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$ 760.55	$ 133.85	$ 894.40	$ 304.40	$ 851.10	$ 119.20	$ 970.30
1991							
JAN (P)	$ 59.90	$ 10.00	$ 69.90	$ 303.15	$ 60.40	$ 10.75	$ 71.15

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$ 774.00	$ 141.40	$ 915.40	$ 13.45	$ 7.55	$ 21.00
1991						
JAN (P)	$ 60.95	$ 10.05	$ 71.00	$ 1.05	$ .05	$ 1.10

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1989	$2,441.85	$ 366.10	$2,807.95	$1,803.60	$2,763.35	$ 432.25	$3,195.60
1990							
JAN	$ 159.20	$ 42.10	$ 201.30	$1,778.55	$ 199.05	$ 27.30	$ 226.35
FEB	$ 157.15	$ 37.40	$ 194.55	$1,705.10	$ 233.30	$ 34.70	$ 268.00
MAR	$ 189.55	$ 76.30	$ 265.85	$1,682.05	$ 246.25	$ 42.65	$ 288.90
APR	$ 264.70	$ 24.55	$ 289.25	$1,713.20	$ 218.35	$ 39.75	$ 258.10
MAY	$ 181.30	$ 25.15	$ 206.45	$1,646.70	$ 243.30	$ 29.65	$ 272.95
JUN	$ 221.10	$ 44.15	$ 265.25	$1,561.70	$ 310.95	$ 39.30	$ 350.25
JUL	$ 213.95	$ 20.30	$ 234.25	$1,562.55	$ 211.35	$ 22.05	$ 233.40
AUG	$ 260.15	$ 16.65	$ 276.80	$1,608.00	$ 197.15	$ 34.20	$ 231.35
SEP	$ 236.65	$ 27.70	$ 264.35	$1,573.45	$ 262.60	$ 36.30	$ 298.90
OCT	$ 234.15	$ 33.95	$ 268.10	$1,587.80	$ 222.10	$ 31.65	$ 253.75
NOV	$ 161.25	$ 41.50	$ 202.75	$1,523.10	$ 224.00	$ 43.45	$ 267.45
DEC	$ 253.35	$ 42.45	$ 295.80	$1,468.40	$ 287.15	$ 63.35	$ 350.50
12 MONTHS	$2,532.50	$ 432.20	$2,964.70		$2,855.55	$ 444.35	$3,299.90

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1989	$2,581.50	$ 405.20	$2,986.70	$ 139.65	$ 39.10	$ 178.75
1990						
JAN	$ 162.30	$ 44.05	$ 206.35	$ 3.10	$ 1.95	$ 5.05
FEB	$ 162.30	$ 38.30	$ 200.60	$ 5.15	$ .90	$ 6.05
MAR	$ 204.10	$ 79.95	$ 284.05	$ 14.55	$ 3.65	$ 18.20
APR	$ 278.80	$ 24.70	$ 303.50	$ 14.10	$ .15	$ 14.25
MAY	$ 195.60	$ 25.95	$ 221.55	$ 14.30	$ .80	$ 15.10
JUN	$ 226.95	$ 47.65	$ 274.60	$ 5.85	$ 3.50	$ 9.35
JUL	$ 224.45	$ 26.15	$ 250.60	$ 10.50	$ 5.85	$ 16.35
AUG	$ 266.60	$ 24.05	$ 290.65	$ 6.45	$ 7.40	$ 13.85
SEP	$ 242.00	$ 28.30	$ 270.30	$ 5.35	$ .60	$ 5.95
OCT	$ 242.70	$ 35.30	$ 278.00	$ 8.55	$ 1.35	$ 9.90
NOV	$ 168.10	$ 42.15	$ 210.25	$ 6.85	$ .65	$ 7.50
DEC	$ 267.35	$ 43.30	$ 310.65	$ 14.00	$ .85	$ 14.85
12 MONTHS	$2,641.25	$ 459.85	$3,101.10	$ 108.75	$ 27.65	$ 136.40

Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1989	$1,722.80	$ 253.55	$1,976.35	$1,423.30	$2,059.20	$ 299.40	$2,358.60
1990							
JAN	$ 117.70	$ 23.45	$ 141.15	$1,402.25	$ 143.40	$ 18.80	$ 162.20
FEB	$ 100.45	$ 15.85	$ 116.30	$1,349.05	$ 143.60	$ 25.90	$ 169.50
MAR	$ 132.60	$ 65.60	$ 198.20	$1,333.10	$ 179.80	$ 34.35	$ 214.15
APR	$ 187.45	$ 19.20	$ 206.65	$1,370.80	$ 141.65	$ 27.30	$ 168.95
MAY	$ 116.80	$ 21.00	$ 137.80	$1,314.45	$ 172.30	$ 21.85	$ 194.15
JUN	$ 151.20	$ 37.40	$ 188.60	$1,227.35	$ 240.10	$ 35.60	$ 275.70
JUL	$ 132.55	$ 14.20	$ 146.75	$1,212.30	$ 144.00	$ 17.80	$ 161.80
AUG	$ 212.20	$ 16.35	$ 228.55	$1,285.10	$ 135.85	$ 19.90	$ 155.75
SEP	$ 190.75	$ 18.40	$ 209.15	$1,304.30	$ 168.30	$ 21.65	$ 189.95
OCT	$ 166.05	$ 16.35	$ 182.40	$1,297.90	$ 164.90	$ 23.90	$ 188.80
NOV	$ 113.10	$ 23.55	$ 136.65	$1,252.35	$ 160.60	$ 21.60	$ 182.20
DEC	$ 151.10	$ 27.00	$ 178.10	$1,164.00	$ 209.95	$ 56.50	$ 266.45
12 MONTHS	$1,771.95	$ 298.35	$2,070.30		$2,004.45	$ 325.15	$2,329.60

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1989	$1,837.80	$ 281.65	$2,119.45	$ 115.00	$ 28.10	$ 143.10
1990						
JAN	$ 120.35	$ 25.15	$ 145.50	$ 2.65	$ 1.70	$ 4.35
FEB	$ 102.20	$ 16.70	$ 118.90	$ 1.75	$ .85	$ 2.60
MAR	$ 146.80	$ 69.20	$ 216.00	$ 14.20	$ 3.60	$ 17.80
APR	$ 199.40	$ 19.30	$ 218.70	$ 11.95	$ .09	$ 12.05
MAY	$ 130.20	$ 21.75	$ 151.95	$ 13.40	$ .75	$ 14.15
JUN	$ 155.40	$ 40.85	$ 196.25	$ 4.20	$ 3.45	$ 7.65
JUL	$ 142.95	$ 20.00	$ 162.95	$ 10.40	$ 5.80	$ 16.20
AUG	$ 216.60	$ 17.05	$ 233.65	$ 4.40	$ .70	$ 5.10
SEP	$ 194.70	$ 18.95	$ 213.65	$ 3.95	$ .55	$ 4.50
OCT	$ 174.55	$ 17.65	$ 192.20	$ 8.50	$ 1.30	$ 9.80
NOV	$ 119.35	$ 24.05	$ 143.40	$ 6.25	$ .50	$ 6.75
DEC	$ 164.75	$ 27.80	$ 192.55	$ 13.65	$ .80	$ 14.45
12 MONTHS	$1,867.25	$ 318.45	$2,185.70	$ 95.30	$ 20.10	$ 115.40

Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total
1989	$ 719.05	$ 112.55	$ 831.60	$ 380.30	$ 704.15	$ 132.85	$ 837.00
1990							
JAN	$ 41.50	$ 18.65	$ 60.15	$ 376.30	$ 55.65	$ 8.50	$ 64.15
FEB	$ 56.70	$ 21.55	$ 78.25	$ 356.05	$ 89.70	$ 8.80	$ 98.50
MAR	$ 56.95	$ 10.70	$ 67.65	$ 348.95	$ 66.45	$ 8.30	$ 74.75
APR	$ 77.25	$ 5.35	$ 82.60	$ 342.40	$ 76.70	$ 12.45	$ 89.15
MAY	$ 64.50	$ 4.15	$ 68.65	$ 332.25	$ 71.00	$ 7.80	$ 78.80
JUN	$ 69.90	$ 6.75	$ 76.65	$ 334.35	$ 70.85	$ 3.70	$ 74.55
JUL	$ 81.40	$ 6.10	$ 87.50	$ 350.25	$ 67.35	$ 4.25	$ 71.60
AUG	$ 47.95	$ .30	$ 48.25	$ 322.90	$ 61.30	$ 14.30	$ 75.60
SEP	$ 45.90	$ 9.30	$ 55.20	$ 269.15	$ 94.30	$ 14.65	$ 108.95
OCT	$ 68.10	$ 17.60	$ 85.70	$ 289.90	$ 57.20	$ 7.75	$ 64.95
NOV	$ 48.15	$ 17.95	$ 66.10	$ 270.75	$ 63.40	$ 21.85	$ 85.25
DEC	$ 102.25	$ 15.45	$ 117.70	$ 304.40	$ 77.20	$ 6.85	$ 84.05
12 MONTHS	$ 760.55	$ 133.85	$ 894.40		$ 851.10	$ 119.20	$ 970.30

	GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Domestic	Foreign	Total
1989	$ 743.70	$ 123.55	$ 867.25	$ 24.65	$ 11.00	$ 35.65
1990						
JAN	$ 41.95	$ 18.90	$ 60.85	$ .45	$ .25	$ .70
FEB	$ 60.10	$ 21.60	$ 81.70	$ 3.40	$ .05	$ 3.45
MAR	$ 57.30	$ 10.75	$ 68.05	$ .35	$ .05	$ .40
APR	$ 79.40	$ 5.40	$ 84.80	$ 2.15	$ .05	$ 2.20
MAY	$ 65.40	$ 4.20	$ 69.60	$ .90	$ .05	$ .95
JUN	$ 71.55	$ 6.80	$ 78.35	$ 1.65	$ .05	$ 1.70
JUL	$ 81.50	$ 6.15	$ 87.65	$ .09	$ .05	$ .15
AUG	$ 50.00	$ 7.00	$ 57.00	$ 2.05	$ 6.70	$ 8.75
SEP	$ 47.30	$ 9.35	$ 56.65	$ 1.40	$ .05	$ 1.45
OCT	$ 68.15	$ 17.65	$ 85.80	$ .05	$ .05	$ .10
NOV	$ 48.75	$ 18.10	$ 66.85	$ .60	$ .15	$ .75
DEC	$ 102.60	$ 15.50	$ 118.10	$ .35	$ .05	$ .40
12 MONTHS	$ 774.00	$ 141.40	$ 915.40	$ 13.45	$ 7.55	$ 21.00

Source: NMTBA - The Association For Manufacturing Technology

AR220-1

NEWS

NMTBA
The Association For Manufacturing Technology

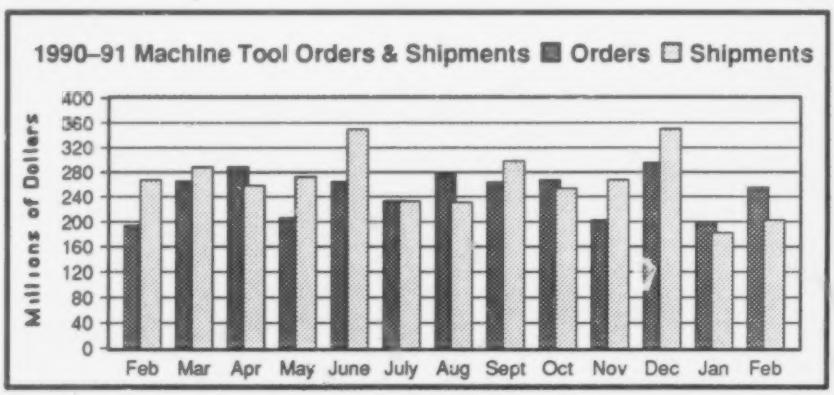
Contact:
Charles Pollock, VP, Communications, 703–827–5206
Glyn Finley, Statistical Director, 703–827–5255

FOR RELEASE: March 25, 1991

February Machine Tool Orders Up 27.7%

February machine tool orders reached $255.20 million, up 27.7% compared to January, according to figures released today by NMTBA – The Association For Manufacturing Technology. Year–to–date 1991 figures are 15% ahead of the comparable figures for 1990. Orders were 31.2% higher in February 1991 than in February 1990.

Machine tool shipments totaled $203,05 million in February, up 11.2% compared to January. Year–to–date shipments were down 22% from 1990. Compared to February 1990, February 1991 shipments were down 24.2%.



NMTBA President Albert W. Moore noted, "Despite the concern of some about the U.S. economy, domestic order strength accounted for February's gain. The steady performance of the U.S. machine tool industry during the recent economic slowdown and the war in the Persian Gulf indicates the importance to all American manufacturers of this small but vital basic industry."

He added "We've been asked whether the victory in the Persian Gulf and the rebuilding of Kuwait will affect the U.S. machine tool industry. The fact that machine tools are used to make everything from oilfield equipment to construction machinery and motor vehicles means they will

(more)

be needed by companies that are modernizing or expanding their manufacturing facilities. Our industry is ready to meet their demands with modern efficient manufacturing equipment at a competitive price. The U.S. economy is already showing signs of renewed energy, in fact consumer confidence has leaped upward. With manageable inventory levels, lower interest rates, and easing inflation, this is a time for U.S. industry to think positive, to produce and to build."

Metal Cutting

Metal cutting orders in February totaled $196.65 million, up 51.2% for the month. Year–to–date metal cutting orders are up 26.9% compared to 1990. Comparing February 1991 to February a year ago orders are up 69.1%.

Metal cutting shipments rose to $134.00 million in February, up 20.9%. Year–to–date shipments were down 26.2% compared to the same period a year ago. Compared to February 1990, February 1991 metal cutting shipments were down 20.9%.

Metal Forming

February orders for metal forming equipment stood at $58.55 million, down 16.1% for the month. Year–to–date metal forming orders are off 7.3%. Comparing February 1991 to February 1990, metal forming orders are down 25.2%.

February metal forming shipments totaled $69.05 million, down 3.8% compared to January. Year–to–date metal forming shipments are down 13.4%. Comparing February 1991 to February 1990, metal forming shipments were down 29.9%.

Backlog

The machine tool order backlog for February 1991 is $1,537.85 million, up from January's $1,485.70 million. The February 1990 backlog was $1,705.10 million.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
FEB 1991	176.95	19.70	196.65	50.95	7.60	58.55	227.90	27.30	255.20
JAN 1991	107.20	22.85	130.05	59.80	10.00	69.80	167.00	32.85	199.85
% CHANGE									
FEB 1991:JAN 1991	+65.1	-13.8	+51.2	-14.8	-24.0	-16.1	+36.5	-16.9	+27.7
FEB 1990	100.45	15.85	116.30	56.70	21.55	78.25	157.15	37.40	194.55
% CHANGE									
FEB 1991:FEB 1990	+76.2	+24.3	+69.1	-10.1	-64.7	-25.2	+45.0	-27.0	+31.2
YEAR TO DATE 1991	284.15	42.55	326.70	110.75	17.60	128.35	394.90	60.15	455.05
YEAR TO DATE 1990	218.15	39.30	257.45	98.20	40.20	138.40	316.35	79.50	395.85
% CHANGE									
1991 : 1990	+30.3	+8.3	+26.9	+12.8	-56.2	-7.3	+24.8	-24.3	+15.0

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
FEB 1991	110.25	23.75	134.00	58.85	10.20	69.05	169.10	33.95	203.05
JAN 1991	93.25	17.55	110.80	61.00	10.75	71.75	154.25	28.30	182.55
% CHANGE									
FEB 1991:JAN 1991	+18.2	+35.3	+20.9	-3.5	-5.1	-3.8	+9.6	+20.0	+11.2
FEB 1990	143.60	25.90	169.50	89.70	8.80	98.50	233.30	34.70	268.00
% CHANGE									
FEB 1991:FEB 1990	-23.2	-8.3	-20.9	-34.4	+15.9	-29.9	-27.5	-2.2	-24.2
YEAR TO DATE 1991	203.50	41.30	244.80	119.85	20.95	140.80	323.35	62.25	385.60
YEAR TO DATE 1990	287.00	44.70	331.70	145.35	17.30	162.65	432.35	62.00	494.35
% CHANGE									
1991 : 1990	-29.1	-7.6	-26.2	-17.5	+21.1	-13.4	-25.2	+0.4	-22.0

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$2,532.50	$ 432.20	$2,964.70	$1,468.40	$2,855.55	$ 444.35	$3,299.90
1991							
JAN	$ 167.00	$ 32.85	$ 199.85	$1,485.70	$ 154.25	$ 28.30	$ 182.55
FEB (P)	$ 227.90	$ 27.30	$ 255.20	$1,537.85	$ 169.10	$ 33.95	$ 203.05
2 MONTHS	$ 394.90	$ 60.15	$ 455.05		$ 323.35	$ 62.25	$ 385.60

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$2,641.25	$ 459.85	$3,101.10	$ 108.75	$ 27.65	$ 136.40
1991						
JAN	$ 176.75	$ 40.00	$ 216.75	$ 9.75	$ 7.15	$ 16.90
FEB (P)	$ 238.00	$ 28.35	$ 266.35	$ 10.10	$ 1.05	$ 11.15
2 MONTHS	$ 414.75	$ 68.35	$ 483.10	$ 19.85	$ 8.20	$ 28.05

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$1,771.95	$ 298.35	$2,070.30	$1,164.00	$2,004.45	$ 325.15	$2,329.60
1991							
JAN	$ 107.20	$ 22.85	$ 130.05	$1,183.25	$ 93.25	$ 17.55	$ 110.80
FEB (P)	$ 176.95	$ 19.70	$ 196.65	$1,245.90	$ 110.25	$ 23.75	$ 134.00
2 MONTHS	$ 284.15	$ 42.55	$ 326.70		$ 203.50	$ 41.30	$ 244.80

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$1,867.25	$ 318.45	$2,185.70	$ 95.30	$ 20.10	$ 115.40
1991						
JAN	$ 115.90	$ 29.95	$ 145.85	$ 8.70	$ 7.10	$ 15.80
FEB (P)	$ 186.60	$ 20.70	$ 207.30	$ 9.65	$ 1.00	$ 10.65
2 MONTHS	$ 302.50	$ 50.65	$ 353.15	$ 18.35	$ 8.10	$ 26.45

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$ 760.55	$ 133.85	$ 894.40	$ 304.40	$ 851.10	$ 119.20	$ 970.30
1991							
JAN	$ 59.80	$ 10.00	$ 69.80	$ 302.45	$ 61.00	$ 10.75	$ 71.75
FEB (P)	$ 50.95	$ 7.60	$ 58.55	$ 291.95	$ 58.85	$ 10.20	$ 69.05
2 MONTHS	$ 110.75	$ 17.60	$ 128.35		$ 119.85	$ 20.95	$ 140.80

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$ 774.00	$ 141.40	$ 915.40	$ 13.45	$ 7.55	$ 21.00
1991						
JAN	$ 60.85	$ 10.05	$ 70.90	$ 1.05	$ .05	$ 1.10
FEB (P)	$ 51.40	$ 7.65	$ 59.05	$ .45	$ .05	$ .50
2 MONTHS	$ 112.25	$ 17.70	$ 129.95	$ 1.50	$ .10	$ 1.60

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

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NEWS

NMTBA
The Association For Manufacturing Technology

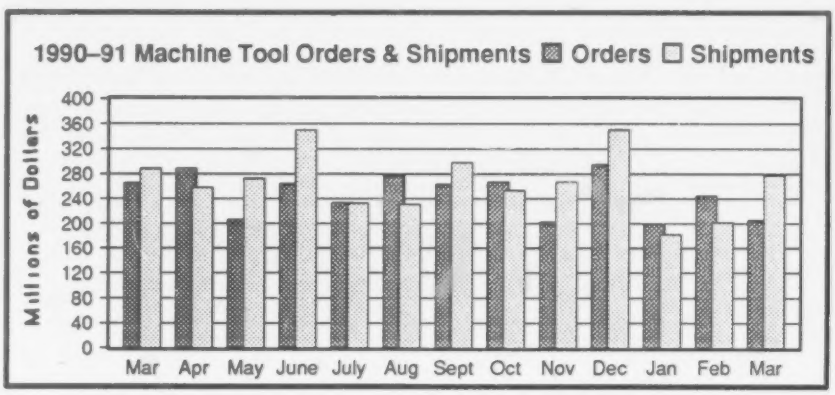
Contact:
Charles Pollock, VP, Communications, 703–827–5206
Glyn Finley, Statistical Director, 703–827–5255

FOR RELEASE: April 29, 1991

March Machine Tool Shipments Up, Orders Down

Total machine tool shipments in March reached $278.20 million, 37.6% above February's total of $202.15 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. Compared to 1990, 1991 year–to–date shipments are down 15.4%. Comparing March 1991 to March 1990, shipments are down 3.7%.

March machine tool orders totaled $205.45 million, down 16.2% from February's $245.15 million. Year–to–date orders in 1991 are down 1.7% compared to 1990. Comparing March 1991 to March 1990, orders are down 22.7%.



"First quarter total orders are still running close to last year's level, with foreign orders actually up a bit," said NMTBA President Albert W. Moore. "This, despite the strengthening U.S. dollar and uncertainty and weakness in many major foreign markets. We think it illustrates the improving competitiveness of the U.S. machine tool industry. As the world economy stabilizes after the uncertainties caused by the Gulf War, we should see manufacturers worldwide growing more confident and looking to improve their production facilities. As this happens, U.S. manufacturers must continue to push hard for a greater share of the world market for manufacturing technology."

(more)

He added, "Domestic manufacturing inventories are staying under control. Because U.S. companies have improved their production controls since the last downturn in the early '80s, when demand starts to pick up, it should translate into higher production levels more quickly than in the past. That, in turn, would be good for producers of manufacturing machinery and equipment."

Metal Cutting

Metal cutting orders in March were $153.60 million, down 17.5% for the month. Compared to 1990, year–to–date metal cutting orders are up 3.1%. Comparing March 1991 to the same month a year ago, orders were down 22.5%.

Shipments of metal cutting equipment reached $174.15 million in March, up 30.8%. Year–to–date shipments are 23.4% lower than the same period in 1990. Comparing March 1991 to March 1990, metal cutting shipments are down 18.7%.

Metal Forming

At $51.85 million, March metal forming orders were down 12.0% compared to February. Year–to–date 1991 metal forming orders were off 12.4% compared to 1990. March 1991 orders were 23.4% lower than orders for the same month in 1990.

March metal forming shipments rose to $104.05 million, up 50.8% for the month. Year–to–date metal forming shipments are up 3.1%. March shipments were 39.2% higher than the total for the same month last year.

Backlog

The machine tool order backlog for March 1991 was $1,455.95 million, down from February's $1,528.70 million. The March 1990 backlog was $1,682.05 million.

# # #

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COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
MAR 1991	127.25	26.35	153.60	31.80	20.05	51.85	159.05	46.40	205.45
FEB 1991	113.80	72.45	186.25	51.30	7.60	58.90	165.10	80.05	245.15
% CHANGE									
MAR 1991:FEB 1991	+11.8	-63.6	-17.5	-38.0	+163.8	-12.0	-3.7	-42.0	-16.2
MAR 1990	132.60	65.60	198.20	56.95	10.70	67.65	189.55	76.30	265.85
% CHANGE									
MAR 1991:MAR 1990	-4.0	-59.8	-22.5	-44.2	+87.4	-23.4	-16.1	-39.2	-22.7
YEAR TO DATE 1991	348.25	121.65	469.90	142.90	37.65	180.55	491.15	159.30	650.45
YEAR TO DATE 1990	350.75	104.90	455.65	155.15	50.90	206.05	505.90	155.80	661.70
% CHANGE									
1991 : 1990	-0.7	+16.0	+3.1	-7.9	-26.0	-12.4	-2.9	+2.2	-1.7

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
MAR 1991	149.05	25.10	174.15	87.10	16.95	104.05	236.15	42.05	278.20
FEB 1991	109.45	23.70	133.15	58.80	10.20	69.00	168.25	33.90	202.15
% CHANGE									
MAR 1991:FEB 1991	+36.2	+5.9	+30.8	+48.1	+66.2	+50.8	+40.4	+24.0	+37.6
MAR 1990	179.80	34.35	214.15	66.45	8.30	74.75	246.25	42.65	288.90
% CHANGE									
MAR 1991:MAR 1990	-17.1	-26.9	-18.7	+31.1	+104.2	+39.2	-4.1	-1.4	-3.7
YEAR TO DATE 1991	351.75	66.35	418.10	206.90	37.90	244.80	558.65	104.25	662.90
YEAR TO DATE 1990	466.80	79.05	545.85	211.80	25.60	237.40	678.60	104.65	783.25
% CHANGE									
1991 : 1990	-24.6	-16.1	-23.4	-2.3	+48.0	+3.1	-17.7	-0.4	-15.4

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$2,532.50	$ 432.20	$2,964.70	$1,468.40	$2,855.55	$ 444.35	$3,299.90
1991							
JAN	$ 167.00	$ 32.85	$ 199.85	$1,485.70	$ 154.25	$ 28.30	$ 182.55
FEB (R)	$ 165.10	$ 80.05	$ 245.15	$1,528.70	$ 168.25	$ 33.90	$ 202.15
MAR (P)	$ 159.05	$ 46.40	$ 205.45	$1,455.95	$ 236.15	$ 42.05	$ 278.20
3 MONTHS	$ 491.15	$ 159.30	$ 650.45		$ 558.65	$ 104.25	$ 662.90

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$2,641.25	$ 459.85	$3,101.10	$ 108.75	$ 27.65	$ 136.40
1991						
JAN	$ 176.75	$ 40.00	$ 216.75	$ 9.75	$ 7.15	$ 16.90
FEB (R)	$ 175.15	$ 81.10	$ 256.25	$ 10.05	$ 1.05	$ 11.10
MAR (P)	$ 169.75	$ 47.70	$ 217.45	$ 10.70	$ 1.30	$ 12.00
3 MONTHS	$ 521.65	$ 168.80	$ 690.45	$ 30.50	$ 9.50	$ 40.00

P - Preliminary
R - Revised
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$1,771.95	$ 298.35	$2,070.30	$1,164.00	$2,004.45	$ 325.15	$2,329.60
1991							
JAN	$ 107.20	$ 22.85	$ 130.05	$1,183.25	$ 93.25	$ 17.55	$ 110.80
FEB (R)	$ 113.80	$ 72.45	$ 186.25	$1,236.35	$ 109.45	$ 23.70	$ 133.15
MAR (P)	$ 127.25	$ 26.35	$ 153.60	$1,215.80	$ 149.05	$ 25.10	$ 174.15
3 MONTHS	$ 348.25	$ 121.65	$ 469.90		$ 351.75	$ 66.35	$ 418.10

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$1,867.25	$ 318.45	$2,185.70	$ 95.30	$ 20.10	$ 115.40
1991						
JAN	$ 115.90	$ 29.95	$ 145.85	$ 8.70	$ 7.10	$ 15.80
FEB (R)	$ 123.40	$ 73.45	$ 196.85	$ 9.60	$ 1.00	$ 10.60
MAR (P)	$ 137.05	$ 27.55	$ 164.60	$ 9.80	$ 1.20	$ 11.00
3 MONTHS	$ 376.35	$ 130.95	$ 507.30	$ 28.10	$ 9.30	$ 37.40

P - Preliminary
R - Revised
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$ 760.55	$ 133.85	$ 894.40	$ 304.40	$ 851.10	$ 119.20	$ 970.30
1991							
JAN	$ 59.80	$ 10.00	$ 69.80	$ 302.45	$ 61.00	$ 10.75	$ 71.75
FEB (R)	$ 51.30	$ 7.60	$ 58.90	$ 292.35	$ 58.80	$ 10.20	$ 69.00
MAR (P)	$ 31.80	$ 20.05	$ 51.85	$ 240.15	$ 87.10	$ 16.95	$ 104.05
3 MONTHS	$ 142.90	$ 37.65	$ 180.55		$ 206.90	$ 37.90	$ 244.80

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$ 774.00	$ 141.40	$ 915.40	$ 13.45	$ 7.55	$ 21.00
1991						
JAN	$ 60.85	$ 10.05	$ 70.90	$ 1.05	$ .05	$ 1.10
FEB (R)	$ 51.75	$ 7.65	$ 59.40	$ .45	$ .05	$ .50
MAR (P)	$ 32.70	$ 20.15	$ 52.85	$ .90	$ .10	$ 1.00
3 MONTHS	$ 145.30	$ 37.85	$ 183.15	$ 2.40	$ .20	$ 2.60

P - Preliminary
R - Revised
Source: NMTBA - The Association For Manufacturing Technology

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS

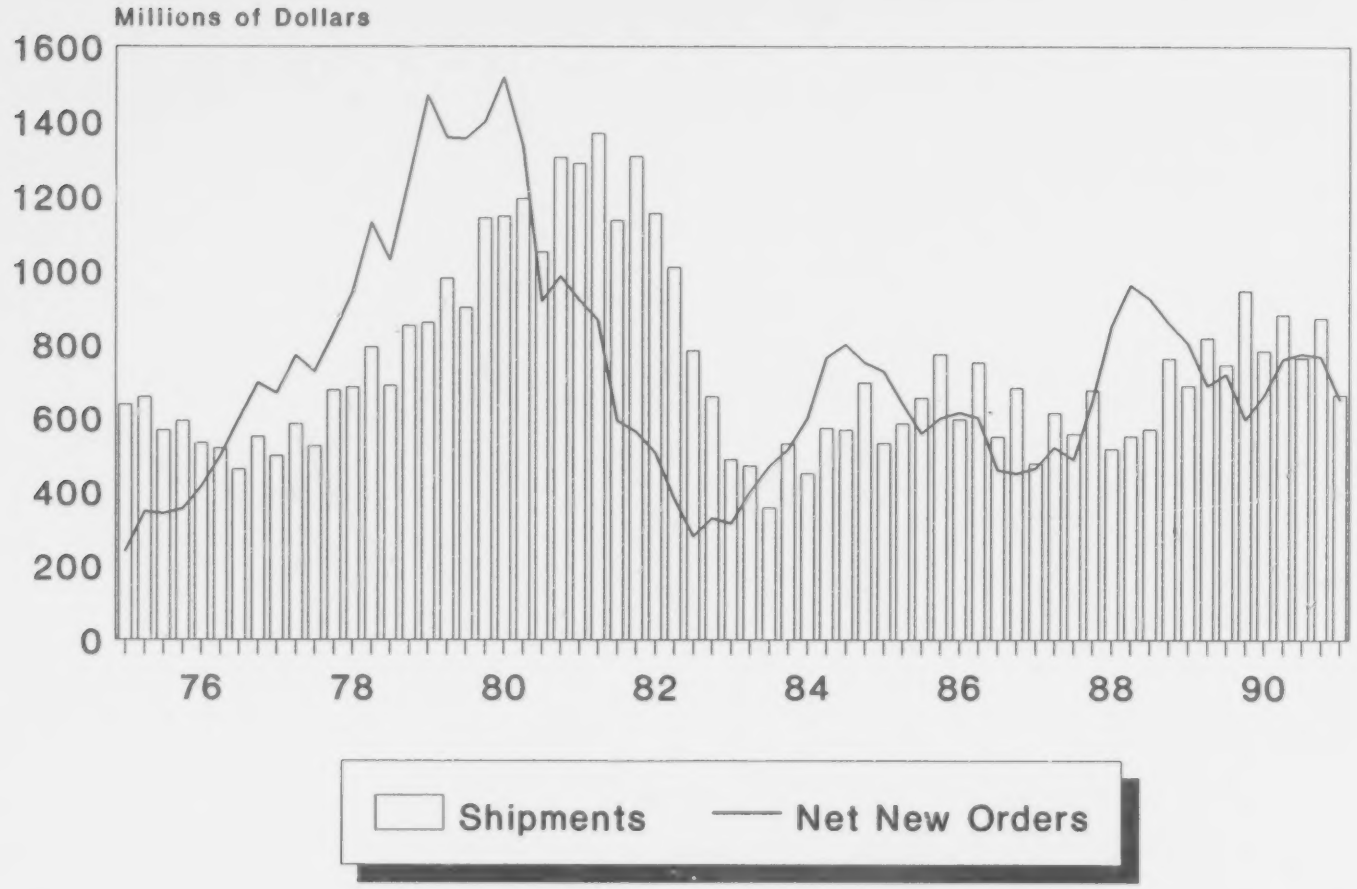
(Dollar Figures in Thousands)
1985 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,300	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2	614,100	71,300	521,150	442,600	46,300	339,300	171,500	25,000	181,850
3	556,650	66,300	487,850	397,750	43,350	324,550	158,900	22,950	163,300
4	676,100	93,350	646,100	487,000	49,950	461,500	189,100	43,400	184,600
Total	$2,323,650	$286,900	$2,118,300	$1,676,500	$177,650	$1,451,450	$ 647,150	$ 109,250	$ 667,350
1988-1	$ 516,500	$ 60,000	$ 850,000	$ 317,850	$ 35,300	$ 666,250	$ 198,650	$ 24,700	$ 183,750
2	551,150	74,400	960,500	339,350	40,900	676,500	211,800	33,500	284,000
3	569,200	66,350	922,650	391,300	38,650	715,000	177,900	27,700	207,650
4	762,250	96,050	857,700	526,050	59,600	650,150	236,200	36,450	207,550
Total	$2,399,100	$296,800	$3,590,850	$1,574,550	$174,450	$2,707,900	$ 824,550	$ 122,350	$ 882,950
1989-1	$ 687,650	$ 81,400	$ 803,300	$ 481,550	$ 50,900	$ 602,550	$ 206,100	$ 30,500	$ 200,750
2	817,850	101,150	688,500	578,150	64,450	459,550	239,700	36,700	228,950
3	745,500	109,350	720,450	574,000	82,600	481,900	171,500	26,750	238,550	
4	944,600	140,350	595,700	724,900	101,450	432,350	219,700	38,900	163,350
Total	$3,195,600	$432,250	$2,807,950	$2,358,600	$299,400	$1,976,350	$ 837,000	$ 132,850	$ 831,600
1990-1	$ 783,250	$104,650	$ 661,700	$ 545,850	$ 79,050	$ 455,650	$ 237,400	$ 25,600	$ 206,050
2	881,300	108,700	760,950	638,800	84,750	533,050	242,500	23,950	227,900
3	763,650	92,550	775,400	507,500	59,350	584,450	256,150	33,200	190,950
4	871,700	138,450	766,650	637,450	102,000	497,150	234,250	36,450	269,500
Total	$3,299,900	$444,350	$2,964,700	$2,329,600	$325,150	$2,070,300	$ 970,300	$ 119,200	$ 894,400
1991-1P	$ 662,900	$104,250	$ 650,450	$ 418,100	$ 66,350	$ 469,900	$ 244,800	$ 37,900	$ 180,550

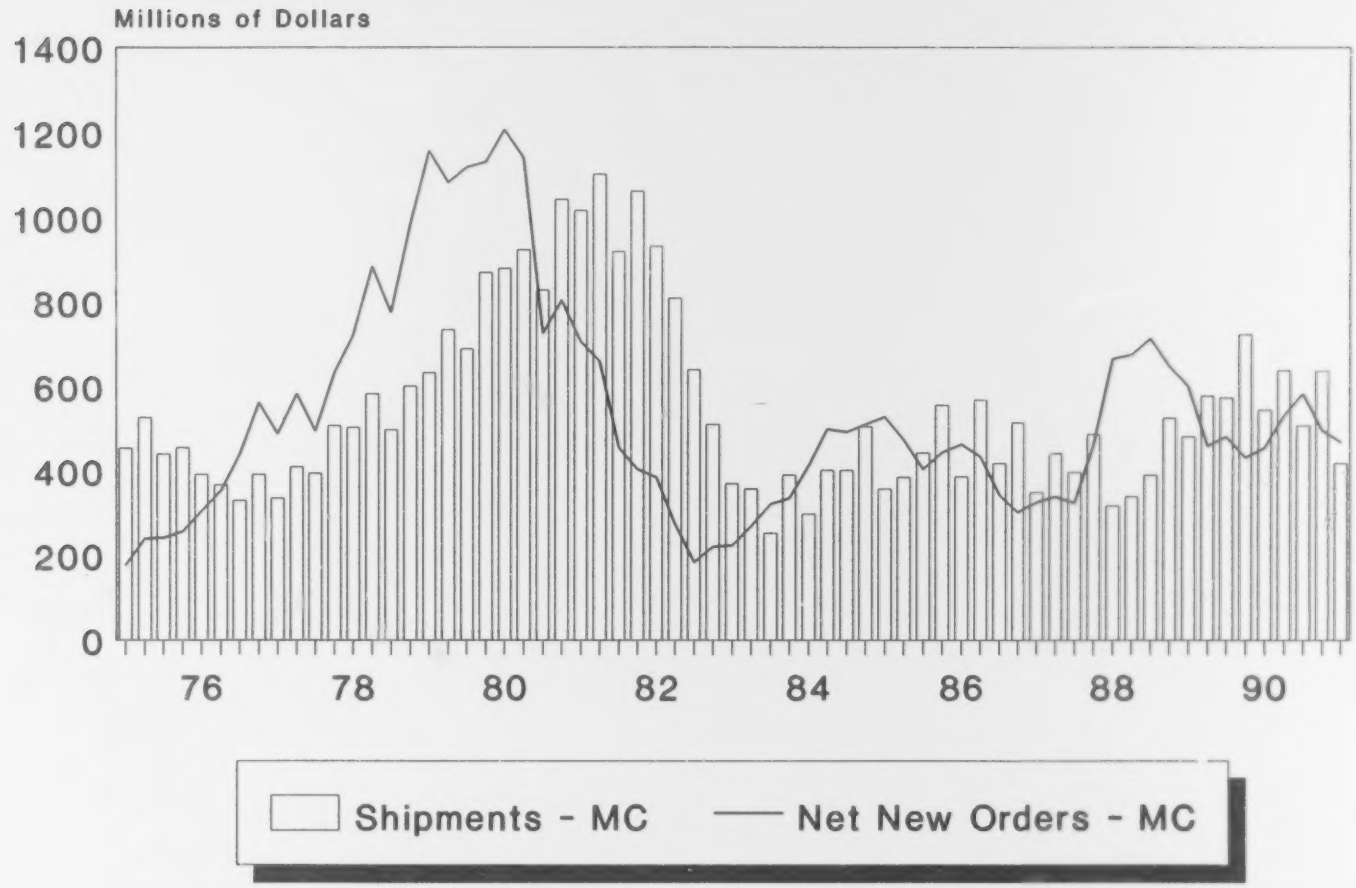
P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

April 29, 1991

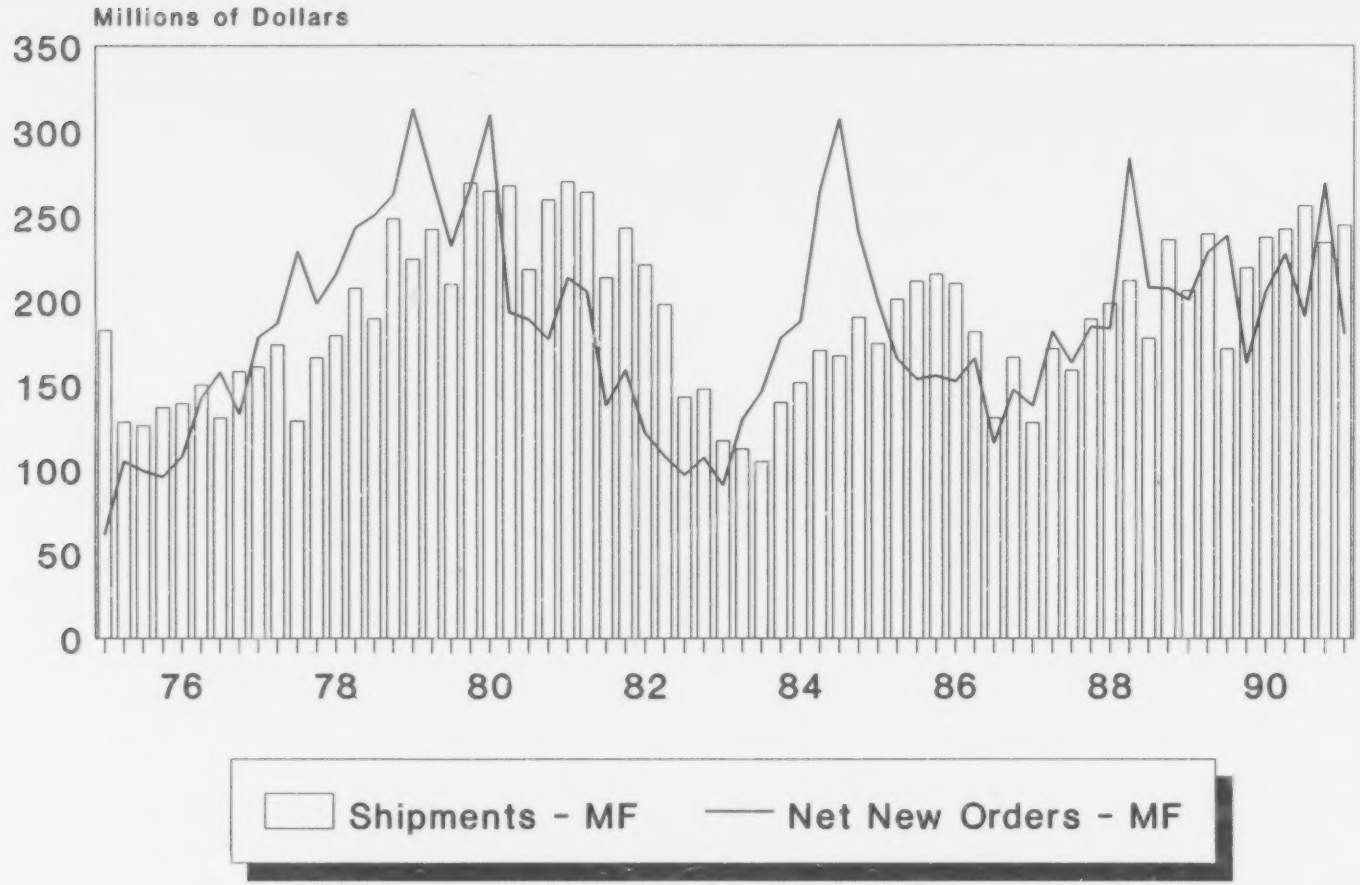
Total Machine Tools
Shipments and Net New Orders, Quarterly



Metal Cutting Machine Tools
Shipments and Net New Orders, Quarterly



Metal Forming Machine Tools
Shipments and Net New Orders, Quarterly



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NEWS

NMTBA
The Association For Manufacturing Technology

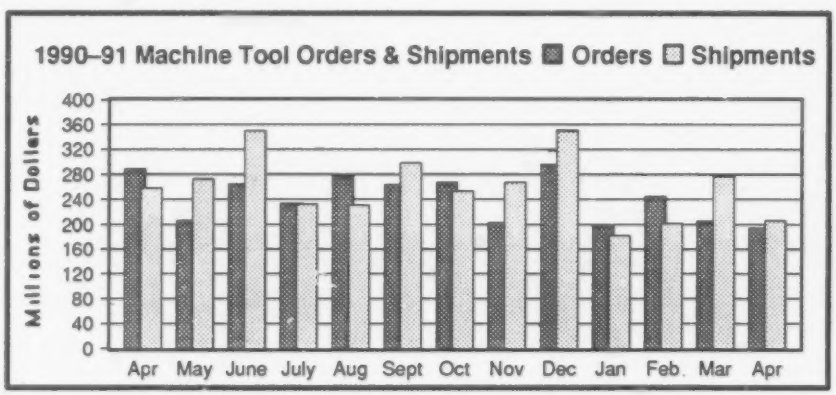
Contact:
Charles Pollock, VP, Communications, 703-827-5206
Glyn Finley, Statistical Director, 703-827-5255

FOR RELEASE: May 27, 1991

Machine Tool Orders Dip in April

April machine tool orders stood at $194.65 million, 5.3% below the March total of $205.45 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. Year–to–date orders stand at $845.10 million, down 11.1% compared to 1990. Comparing this April to April 1990, orders were down 32.7%.

At $206.30 million, total machine tool shipments for April were down 25.5% from the $276.85 million tallied in March. Year–to–date 1991 shipments stand at $867.85 million, down 16.7% compared to 1990. April 1991 shipments were 20.1% below the total for the same month a year ago.



"Although the current domestic market is weak, foreign orders for machine tools continue to run ahead of last year, again demonstrating the competitiveness of the U.S. machine tool industry," said NMTBA President Albert W. Moore. "In 1990 the U.S. machine tool industry had record exports. Through the first four months of this year, export orders are up by 11.4%."

He continued, "The U.S. still leads the world in productivity, and the dollar and wage rates are both favorable to U.S. competitiveness. Just a few years ago, pundits were writing off heavy U.S.

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industries as dinosaurs unable to adapt. But I think they missed a fundamental lesson of the value of competition. U.S. industry, including the machine tool industry, has restructured — and will continue to improve and to become more and more competitive. The machine tool industry has a unique part to play in the revitalization of U.S. industry."

Metal Cutting

April metal cutting orders totaled $136.75 million, down 10.9% for the month. Year–to–date metal cutting orders were down 8.4% compared to 1990. Comparing April 1991 to the same month a year ago, orders were down 33.8%.

April metal cutting shipments stood at $145.10 million, down 16.5%. Year–to–date shipments were 21.3% lower than the same period in 1990. Comparing April 1991 to April 1990, metal cutting shipments were down 14.1%.

Metal Forming

April orders for metal forming equipment totaled $57.90 million, up 11.6% from March. Year–to–date 1991 metal forming orders were down 17.4% compared to 1990. April 1991 orders were 29.9% lower than orders for the same month in 1990.

At $61.20 million, metal forming shipments in April were 40.6% below the total for March. Year–to–date metal forming shipments were off 6.6%. Comparing April 1991 to April 1990, shipments were down 31.4%.

Backlog

The machine tool order backlog for April 1991 was $1,445.65 million, down from March's $1,457.30 million. The April 1990 backlog was $1713.20 million.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
APR 1991	114.15	22.60	136.75	39.35	18.55	57.90	153.50	41.15	194.65
MAR 1991	127.20	26.35	153.55	31.45	20.45	51.90	158.65	46.80	205.45
% CHANGE									
APR 1991:MAR 1991	-10.3	-14.2	-10.9	+25.1	-9.3	+11.6	-3.2	-12.1	-5.3
APR 1990	187.45	19.20	206.65	77.25	5.35	82.60	264.70	24.55	289.25
% CHANGE									
APR 1991:APR 1990	-39.1	+17.7	-33.8	-49.1	+246.7	-29.9	-42.0	+67.6	-32.7
YEAR TO DATE 1991	462.35	144.25	606.60	181.90	56.60	238.50	644.25	200.85	845.10
YEAR TO DATE 1990	538.20	124.10	662.30	232.40	56.25	288.65	770.60	180.35	950.95
% CHANGE									
1991 : 1990	-14.1	+16.2	-8.4	-21.7	+0.6	-17.4	-16.4	+11.4	-11.1

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
APR 1991	126.70	18.40	145.10	46.95	14.25	61.20	173.65	32.65	206.30
MAR 1991	148.75	25.10	173.85	86.05	16.95	103.00	234.80	42.05	276.85
% CHANGE									
APR 1991:MAR 1991	-14.8	-26.7	-16.5	-45.4	-15.9	-40.6	-26.0	-22.4	-25.5
APR 1990	141.65	27.30	168.95	76.70	12.45	89.15	218.35	39.75	258.10
% CHANGE									
APR 1991:APR 1990	-10.6	-32.6	-14.1	-38.8	+14.5	-31.4	-20.5	-17.9	-20.1
YEAR TO DATE 1991	478.15	84.75	562.90	252.80	52.15	304.95	730.95	136.90	867.85
YEAR TO DATE 1990	608.45	105.35	714.80	288.50	38.05	326.55	896.95	144.40	1,041.35
% CHANGE									
1991 : 1990	-21.4	-20.3	-21.3	-12.4	+37.1	-6.6	-18.5	-5.2	-16.7

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$2,532.50	$ 432.20	$2,964.70	$1,468.40	$2,855.55	$ 444.35	$3,299.90
1991							
JAN	$ 167.00	$ 32.85	$ 199.85	$1,485.70	$ 154.25	$ 28.30	$ 182.55
FEB	$ 165.10	$ 80.05	$ 245.15	$1,528.70	$ 168.25	$ 33.90	$ 202.15
MAR	$ 158.65	$ 46.80	$ 205.45	$1,457.30	$ 234.80	$ 42.05	$ 276.85
APR (P)	$ 153.50	$ 41.15	$ 194.65	$1,445.65	$ 173.65	$ 32.65	$ 206.30
4 MONTHS	$ 644.25	$ 200.85	$ 845.10		$ 730.95	$ 136.90	$ 867.85

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$2,641.25	$ 459.85	$3,101.10	$ 108.75	$ 27.65	$ 136.40
1991						
JAN	$ 176.75	$ 40.00	$ 216.75	$ 9.75	$ 7.15	$ 16.90
FEB	$ 175.15	$ 81.10	$ 256.25	$ 10.05	$ 1.05	$ 11.10
MAR	$ 169.60	$ 48.10	$ 217.70	$ 10.95	$ 1.30	$ 12.25
APR (P)	$ 159.55	$ 42.80	$ 202.35	$ 6.05	$ 1.65	$ 7.70
4 MONTHS	$ 681.05	$ 212.00	$ 893.05	$ 36.80	$ 11.15	$ 47.95

P - Preliminary
R - Revised
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$1,771.95	$ 298.35	$2,070.30	$1,164.00	$2,004.45	$ 325.15	$2,329.60
1991							
JAN	$ 107.20	$ 22.85	$ 130.05	$1,183.25	$ 93.25	$ 17.55	$ 110.80
FEB	$ 113.80	$ 72.45	$ 186.25	$1,236.35	$ 109.45	$ 23.70	$ 133.15
MAR	$ 127.20	$ 26.35	$ 153.55	$1,216.05	$ 148.75	$ 25.10	$ 173.85
APR (P)	$ 114.15	$ 22.60	$ 136.75	$1,207.70	$ 126.70	$ 18.40	$ 145.10
4 MONTHS	$ 462.35	$ 144.25	$ 606.60		$ 478.15	$ 84.75	$ 562.90

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$1,867.25	$ 318.45	$2,185.70	$ 95.30	$ 20.10	$ 115.40
1991						
JAN	$ 115.90	$ 29.95	$ 145.85	$ 8.70	$ 7.10	$ 15.80
FEB	$ 123.40	$ 73.45	$ 196.85	$ 9.60	$ 1.00	$ 10.60
MAR	$ 137.05	$ 27.55	$ 164.60	$ 9.85	$ 1.20	$ 11.05
APR (P)	$ 118.30	$ 24.20	$ 142.50	$ 4.15	$ 1.60	$ 5.75
4 MONTHS	$ 494.65	$ 155.15	$ 649.80	$ 32.30	$ 10.90	$ 43.20

P - Preliminary
R - Revised
Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$ 760.55	$ 133.85	$ 894.40	$ 304.40	$ 851.10	$ 119.20	$ 970.30
1991							
JAN	$ 59.80	$ 10.00	$ 69.80	$ 302.45	$ 61.00	$ 10.75	$ 71.75
FEB	$ 51.30	$ 7.60	$ 58.90	$ 292.35	$ 58.80	$ 10.20	$ 69.00
MAR	$ 31.45	$ 20.45	$ 51.90	$ 241.25	$ 86.05	$ 16.95	$ 103.00
APR (P)	$ 39.35	$ 18.55	$ 57.90	$ 237.95	$ 46.95	$ 14.25	$ 61.20
4 MONTHS	$ 181.90	$ 56.60	$ 238.50		$ 252.80	$ 52.15	$ 304.95

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$ 774.00	$ 141.40	$ 915.40	$ 13.45	$ 7.55	$ 21.00
1991						
JAN	$ 60.85	$ 10.05	$ 70.90	$ 1.05	$ .05	$ 1.10
FEB	$ 51.75	$ 7.65	$ 59.40	$ .45	$ .05	$ .50
MAR	$ 32.55	$ 20.55	$ 53.10	$ 1.10	$ .10	$ 1.20
APR (P)	$ 41.25	$ 18.60	$ 59.85	$ 1.90	$ .05	$ 1.95
4 MONTHS	$ 186.40	$ 56.85	$ 243.25	$ 4.50	$ .25	$ 4.75

P - Preliminary
R - Revised
Source: NMTBA - The Association For Manufacturing Technology

A8620-1

NEWS

NMTBA
The Association For Manufacturing Technology

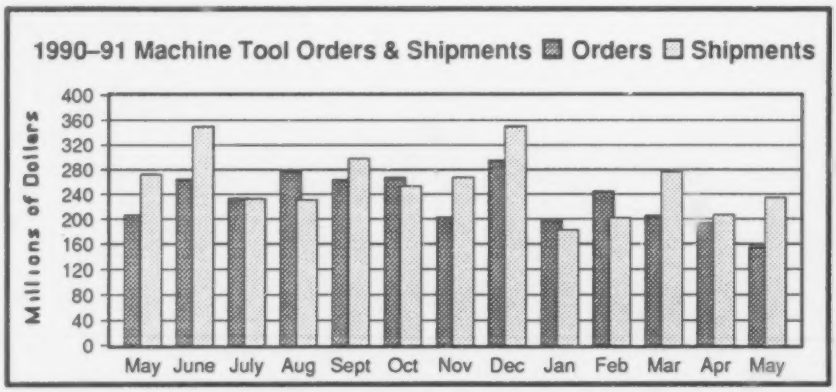
Contact:
Charles Pollock, VP, Communications, 703–827–5206
Glyn Finley, Statistical Director, 703–827–5255

FOR RELEASE: June 24, 1991

May machine tool shipments up, orders down

May machine tool shipments rose to $235.00 million, up 13.5% from April's $207.05 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. Year–to–date shipments stood at $1,103.60 million, down 16.0% compared to 1990. Comparing May 1991 to May a year ago, shipments were down 13.9%.

May machine tool orders totaled $155.80 million, down 19.6% from April's $193.70 million. The year–to–date order total for 1991 is $999.95 million, down 13.6% compared to last year. May 1991 orders were 24.5% below the total for May 1990.



"Although the timing and the strength of the economic recovery are not yet clear, we are encouraged by recent data from the Federal Reserve showing two consecutive months of increases in the output of our nation's factories and in capacity utilization," said NMTBA President Albert W. Moore. "Conventional wisdom in our industry is that machine tool orders escalate when capacity utilization crosses the 80% level. U.S. manufacturers also have tighter control over their inventories now than in most downturns. With lean inventories, production will respond quickly to higher demand, in turn creating a demand for the machine tools which will be needed to meet new production levels."

(more)

Moore added, "In the global marketplace, we continue to do well, with year–to–date export orders running 10% above last year. This is an indication of the competitiveness of our products."

Metal Cutting

May metal cutting orders stood at $111.85 million, down 18.0% compared to April. Year–to–date metal cutting orders were down 10.2% compared to 1990. Comparing May 1991 to the same month a year ago, orders were down 18.8%.

May metal cutting shipments reached $176.05 million, up 21.1% for the month. Year–to–date shipments were down 18.7% compared to the same period in 1990. Comparing May 1991 to May 1990, metal cutting shipments were down 9.3%.

Metal Forming

May orders for metal forming equipment stood at $43.95 million, down 23.2% compared to April. Year–to–date 1991 metal forming orders were down 21.1% compared to the same period last year. May 1991 orders were 36.0% lower than orders for the same month in 1990.

At $58.95 million, metal forming shipments in May were down 4.5% compared to April. Year–to–date metal forming shipments were off 10.1%. Comparing May 1991 to May 1990, shipments were down 25.2%.

Backlog

The machine tool order backlog for May 1991 was $1,364.75 million, down from April's $1,443.95 million. The May 1990 backlog was $1,646.70 million.

# # #

COMPARISON CHART

NET NEW ORDERS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
MAY 1991	98.70	13.15	111.85	35.75	8.20	43.95	134.45	21.35	155.80
APR 1991	109.95	26.50	136.45	37.30	19.95	57.25	147.25	46.45	193.70
% CHANGE									
MAY 1991:APR 1991	-10.2	-50.4	-18.0	-4.2	-58.9	-23.2	-8.7	-54.0	-19.6
MAY 1990	116.80	21.00	137.80	64.50	4.15	68.65	181.30	25.15	206.45
% CHANGE									
MAY 1991:MAY 1990	-15.5	-37.4	-18.8	-44.6	+97.6	-36.0	-25.8	-15.1	-24.5
YEAR TO DATE 1991	556.85	161.30	718.15	215.60	66.20	281.80	772.45	227.50	999.95
YEAR TO DATE 1990	655.00	145.10	800.10	296.90	60.40	357.30	951.90	205.50	1,157.40
% CHANGE									
1991 : 1990	-15.0	+11.2	-10.2	-27.4	+9.6	-21.1	-18.9	+10.7	-13.6

SHIPMENTS -- MACHINE TOOLS
(Millions of Dollars)

	METAL CUTTING			METAL FORMING			TOTAL Cutting and Forming		
	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
MAY 1991	159.25	16.80	176.05	45.55	13.40	58.95	204.80	30.20	235.00
APR 1991	126.55	18.80	145.35	47.05	14.65	61.70	173.60	33.45	207.05
% CHANGE									
MAY 1991:APR 1991	+25.8	-10.6	+21.1	-3.2	-8.5	-4.5	+18.0	-9.7	+13.5
MAY 1990	172.30	21.85	194.15	71.00	7.80	78.80	243.30	29.65	272.95
% CHANGE									
MAY 1991:MAY 1990	-7.6	-23.1	-9.3	-35.8	+71.8	-25.2	-15.8	+1.9	-13.9
YEAR TO DATE 1991	637.25	101.95	739.20	298.45	65.95	364.40	935.70	167.90	1,103.60
YEAR TO DATE 1990	780.75	128.20	908.95	359.50	45.85	405.35	1,140.25	174.05	1,314.30
% CHANGE									
1991 : 1990	-18.4	-20.5	-18.7	-17.0	+43.8	-10.1	-17.9	-3.5	-16.0

Source: NMTBA - The Association For Manufacturing Technology

TOTAL INDUSTRY ESTIMATE
MACHINE TOOLS - CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$2,532.50	$ 432.20	$2,964.70	$1,468.40	$2,855.55	$ 444.35	$3,299.90
1991							
JAN	$ 167.00	$ 32.85	$ 199.85	$1,485.70	$ 154.25	$ 28.30	$ 182.55
FEB	$ 165.10	$ 80.05	$ 245.15	$1,528.70	$ 168.25	$ 33.90	$ 202.15
MAR	$ 158.65	$ 46.80	$ 205.45	$1,457.30	$ 234.80	$ 42.05	$ 276.85
APR	$ 147.25	$ 46.45	$ 193.70	$1,443.95	$ 173.60	$ 33.45	$ 207.05
MAY (P)	$ 134.45	$ 21.35	$ 155.80	$1,364.75	$ 204.80	$ 30.20	$ 235.00
5 MONTHS	$ 772.45	$ 227.50	$ 999.95		$ 935.70	$ 167.90	$1,103.60

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$2,641.25	$ 459.85	$3,101.10	$ 108.75	$ 27.65	$ 136.40
1991						
JAN	$ 176.75	$ 40.00	$ 216.75	$ 9.75	$ 7.15	$ 16.90
FEB	$ 175.15	$ 81.10	$ 256.25	$ 10.05	$ 1.05	$ 11.10
MAR	$ 169.60	$ 48.10	$ 217.70	$ 10.95	$ 1.30	$ 12.25
APR	$ 153.55	$ 48.10	$ 201.65	$ 6.30	$ 1.65	$ 7.95
MAY (P)	$ 143.55	$ 21.45	$ 165.00	$ 9.10	$ .10	$ 9.20
5 MONTHS	$ 818.60	$ 238.75	$1,057.35	$ 46.15	$ 11.25	$ 57.40

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

METAL CUTTING TYPE MACHINE TOOLS

New Orders, Cancellations, Shipments and Backlog

(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$1,771.95	$ 298.35	$2,070.30	$1,164.00	$2,004.45	$ 325.15	$2,329.60
1991							
JAN	$ 107.20	$ 22.85	$ 130.05	$1,183.25	$ 93.25	$ 17.55	$ 110.80
FEB	$ 113.80	$ 72.45	$ 186.25	$1,236.35	$ 109.45	$ 23.70	$ 133.15
MAR	$ 127.20	$ 26.35	$ 153.55	$1,216.05	$ 148.75	$ 25.10	$ 173.85
APR	$ 109.95	$ 26.50	$ 136.45	$1,207.15	$ 126.55	$ 18.80	$ 145.35
MAY (P)	$ 98.70	$ 13.15	$ 111.85	$1,142.95	$ 159.25	$ 16.80	$ 176.05
5 MONTHS	$ 556.85	$ 161.30	$ 718.15		$ 637.25	$ 101.95	$ 739.20

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$1,867.25	$ 318.45	$2,185.70	$ 95.30	$ 20.10	$ 115.40
1991						
JAN	$ 115.90	$ 29.95	$ 145.85	$ 8.70	$ 7.10	$ 15.80
FEB	$ 123.40	$ 73.45	$ 196.85	$ 9.60	$ 1.00	$ 10.60
MAR	$ 137.05	$ 27.55	$ 164.60	$ 9.85	$ 1.20	$ 11.05
APR	$ 114.10	$ 28.10	$ 142.20	$ 4.15	$ 1.60	$ 5.75
MAY (P)	$ 106.60	$ 13.20	$ 119.80	$ 7.90	$ .05	$ 7.95
5 MONTHS	$ 597.05	$ 172.25	$ 769.30	$ 40.20	$ 10.95	$ 51.15

P - Preliminary

Source: NMTBA - The Association For Manufacturing Technology

INDUSTRY ESTIMATE
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total
1990	$ 760.55	$ 133.85	$ 894.40	$ 304.40	$ 851.10	$ 119.20	$ 970.30
1991							
JAN	$ 59.80	$ 10.00	$ 69.80	$ 302.45	$ 61.00	$ 10.75	$ 71.75
FEB	$ 51.30	$ 7.60	$ 58.90	$ 292.35	$ 58.80	$ 10.20	$ 69.00
MAR	$ 31.45	$ 20.45	$ 51.90	$ 241.25	$ 86.05	$ 16.95	$ 103.00
APR	$ 37.30	$ 19.95	$ 57.25	$ 236.80	$ 47.05	$ 14.65	$ 61.70
MAY (P)	$ 35.75	$ 8.20	$ 43.95	$ 221.80	$ 45.55	$ 13.40	$ 58.95
5 MONTHS	$ 215.60	$ 66.20	$ 281.80		$ 298.45	$ 65.95	$ 364.40

DATE	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	$ 774.00	$ 141.40	$ 915.40	$ 13.45	$ 7.55	$ 21.00
1991						
JAN	$ 60.85	$ 10.05	$ 70.90	$ 1.05	$ .05	$ 1.10
FEB	$ 51.75	$ 7.65	$ 59.40	$ .45	$ .05	$ .50
MAR	$ 32.55	$ 20.55	$ 53.10	$ 1.10	$ .10	$ 1.20
APR	$ 39.45	$ 20.00	$ 59.45	$ 2.15	$ .05	$ 2.20
MAY (P)	$ 36.95	$ 8.25	$ 45.20	$ 1.20	$ .05	$ 1.25
5 MONTHS	$ 221.55	$ 66.50	$ 288.05	$ 5.95	$ .30	$ 6.25

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

A8620-1

NEWS

NMTBA
The Association For Manufacturing Technology

Contact:
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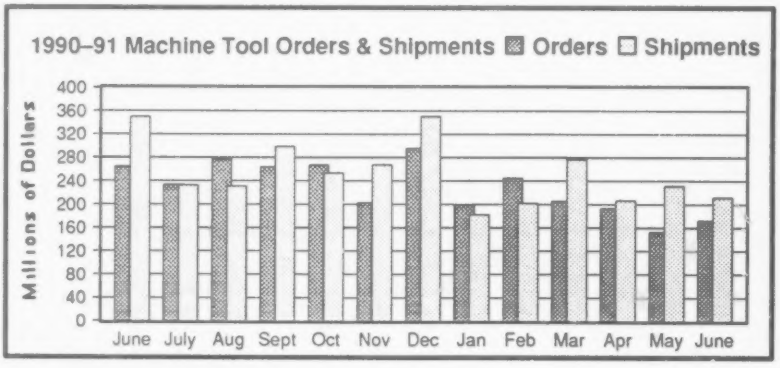
Glyn Finley, Statistical Director, 703–827–5255

FOR RELEASE: July 29, 1991

Machine tool orders up in June

June machine tool orders totaled $172.9 million, up 13% from May's $153.0 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. Year–to–date orders stood at $1,170.1 million, 17.8% below 1990's $1,422.7 million for the same period. Comparing June 1991 to June a year ago, orders were down 34.8%.

Machine tool shipments in June totaled $212.1 million, down 8.5% compared to May. Year–to–date 1991 shipments stood at $1,312.6 million, 21.1% below 1990's $1,664.6 million. June 1991 shipments were down 39.4% compared to June 1990.



"We are encouraged by the increase in orders in June, and particularly by the strength of the export market," said NMTBA President Albert W. Moore. "Export orders are 15.3% ahead of the same time a year ago, and export shipments are up 7.1%. Sales of U.S. machine tools are strengthening in a very competitive world market."

"On the domestic side," he continued, "there are signs that the economy is taking a more positive turn. Industrial production is up for the fifth straight month. Capacity utilization rates are rising, car production was up in late June and early July, and real earnings for production workers

(more)

rose in both May and June. Combined with lean inventories, these factors should lead to increased investment in capital goods."

Metal Cutting

June metal cutting orders reached $130.9 million, up 19.4% compared to May. Year–to–date metal cutting orders were down 14.4% compared to 1990. Comparing June 1991 to June a year ago, orders were down 30.6%.

Metal cutting shipments in June stood at $142.6 million, down 18% for the month. Year–to–date shipments were down 25.8% compared to the same period in 1990. Comparing this June to June a year ago, metal cutting shipments were down 48.3%.

Metal Forming

Metal forming orders in June totaled $42.1 million, down 3.1% compared to May. Year–to–date 1991 metal forming orders were down 25.5% compared to the same period last year. June metal forming orders were 45.1% below the figure for June 1991.

Metal forming shipments rose to $69.6 million in June, up 19.9% for the month. Year–to–date metal forming shipments were off 9.8%. Comparing June 1991 to June 1990, shipments were down 6.7%.

Backlog

The machine tool order backlog for June 1991 was $1,325.90 million, down from May's $1,365.10 million. The June 1990 backlog was $1,561.70 million.

# # #

PLEASE NOTE: The enclosed tables have been reformatted. On the comparison chart page each category runs horizontally across the page rather than vertically as in the old format. Columns within a category that ran horizontally, now run vertically.

COMPARISON CHART

NMTBA INDUSTRY ESTIMATES

(MILLIONS OF DOLLARS)

June 1991

	Jun 91	May 91	% Change	Jun 91	Jun 90	%Change	YTD 91	YTD 90	% Change
METAL CUTTING									
Net New Orders									
Domestic	87.7	96.5	-9.1	87.7	151.2	-42.0	642.3	806.2	-20.3
Export	43.2	13.2	228.5	43.2	37.4	15.5	204.5	182.5	12.1
Total	130.9	109.6	19.4	130.9	188.6	-30.6	846.8	988.7	-14.4
Shipments									
Domestic	104.3	157.3	-33.7	104.3	240.1	-56.6	739.5	1,020.9	-27.6
Export	38.3	16.6	130.7	38.3	35.6	7.6	140.1	163.8	-14.5
Total	142.6	173.9	-18.0	142.6	275.7	-48.3	879.6	1,184.7	-25.8
METAL FORMING									
Net New Orders									
Domestic	25.2	35.1	-28.2	25.2	69.9	-64.0	240.1	366.8	-34.6
Export	16.9	8.4	102.4	16.9	6.8	150.4	83.3	67.2	24.0
Total	42.1	43.4	-3.1	42.1	76.7	-45.1	323.3	434.0	-25.5
Shipments									
Domestic	47.2	44.6	5.7	47.2	70.9	-33.5	344.7	430.4	-19.9
Export	22.4	13.4	67.2	22.4	3.7	505.4	88.4	49.6	78.3
Total	69.6	58.0	19.9	69.6	74.6	-6.7	433.0	479.9	-9.8
TOTAL CUTTING & FORMING									
Net New Orders									
Domestic	112.8	131.5	-14.2	112.8	221.1	-49.0	882.3	1,173.0	-24.8
Export	60.1	21.5	179.5	60.1	44.2	36.1	287.8	249.7	15.3
Total	172.9	153.0	13.0	172.9	265.3	-34.8	1,170.1	1,422.7	-17.8
Shipments									
Domestic	151.4	201.9	-25.0	151.4	311.0	-51.3	1,084.2	1,451.2	-25.3
Export	60.7	30.0	102.3	60.7	39.3	54.5	228.4	213.4	7.1
Total	212.1	231.9	-8.5	212.1	350.3	-39.4	1,312.6	1,664.6	-21.1

Source: NMTBA – The Association For Manufacturing Technology

NMTBA INDUSTRY ESTIMATES

June 1991

MACHINE TOOLS – CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions Of Dollars)

	NET NEW ORDERS			Order	SHIPMENTS			GROSS NEW ORDERS			CANCELLATIONS		
DATE	Domestic	Foreign	Total	Backlog	Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
1990	2,532.50	432.20	2,964.70	1,468.40	2,855.55	444.35	3,299.90	2,641.25	459.85	3,101.10	108.75	27.65	136.40
1991													
JAN	167.00	32.85	199.85	1,485.70	154.25	28.30	182.55	176.75	40.00	216.75	9.75	7.15	16.90
FEB	165.10	80.05	245.15	1,528.70	168.25	33.90	202.15	175.15	81.10	256.25	10.05	1.05	11.10
MAR	158.65	46.80	205.45	1,457.30	234.80	42.05	276.85	169.60	48.10	217.70	10.95	1.30	12.25
APR	147.25	46.45	193.70	1,443.95	173.60	33.45	207.05	153.55	48.10	201.65	6.30	1.65	7.95
MAY (R)	131.50	21.50	153.00	1,365.10	201.85	30.00	231.85	140.60	21.60	162.20	9.10	0.10	9.20
JUN (P)	112.80	60.10	172.90	1,325.90	151.40	60.70	212.10	118.50	60.55	179.05	5.70	0.45	6.15
TOTALS	882.30	287.75	1,170.05		1,084.15	228.40	1,312.55	934.15	299.45	1,233.60	51.85	11.70	63.55

Source: NMTBA – The Association For Manufacturing Technology

P – preliminary R – revised

NMTBA INDUSTRY ESTIMATES

June 1991

METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions Of Dollars)

DATE	NET NEW ORDERS			Order Backlog	SHIPMENTS			GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total		Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
1990	1,771.95	298.35	2,070.30	1,164.00	2,004.45	325.15	2,329.60	1,867.25	318.45	2,185.70	95.30	20.10	115.40
1991													
JAN	107.20	22.85	130.05	1,183.25	93.25	17.55	110.80	115.90	29.95	145.85	8.70	7.10	15.80
FEB	113.80	72.45	186.25	1,236.35	109.45	23.70	133.15	123.40	73.45	196.85	9.60	1.00	10.60
MAR	127.20	26.35	153.55	1,216.05	148.75	25.10	173.85	137.05	27.55	164.60	9.85	1.20	11.05
APR	109.95	26.50	136.45	1,207.15	126.55	18.80	145.35	114.10	28.10	142.20	4.15	1.60	5.75
MAY (R)	96.45	13.15	109.60	1,142.90	157.25	16.60	173.85	104.35	13.20	117.55	7.90	0.05	7.95
JUN (P)	87.65	43.20	130.85	1,131.20	104.25	38.30	142.55	92.90	43.60	136.50	5.25	0.40	5.65
TOTALS	642.25	204.50	846.75		739.50	140.05	879.55	687.70	215.85	903.55	45.45	11.35	56.80

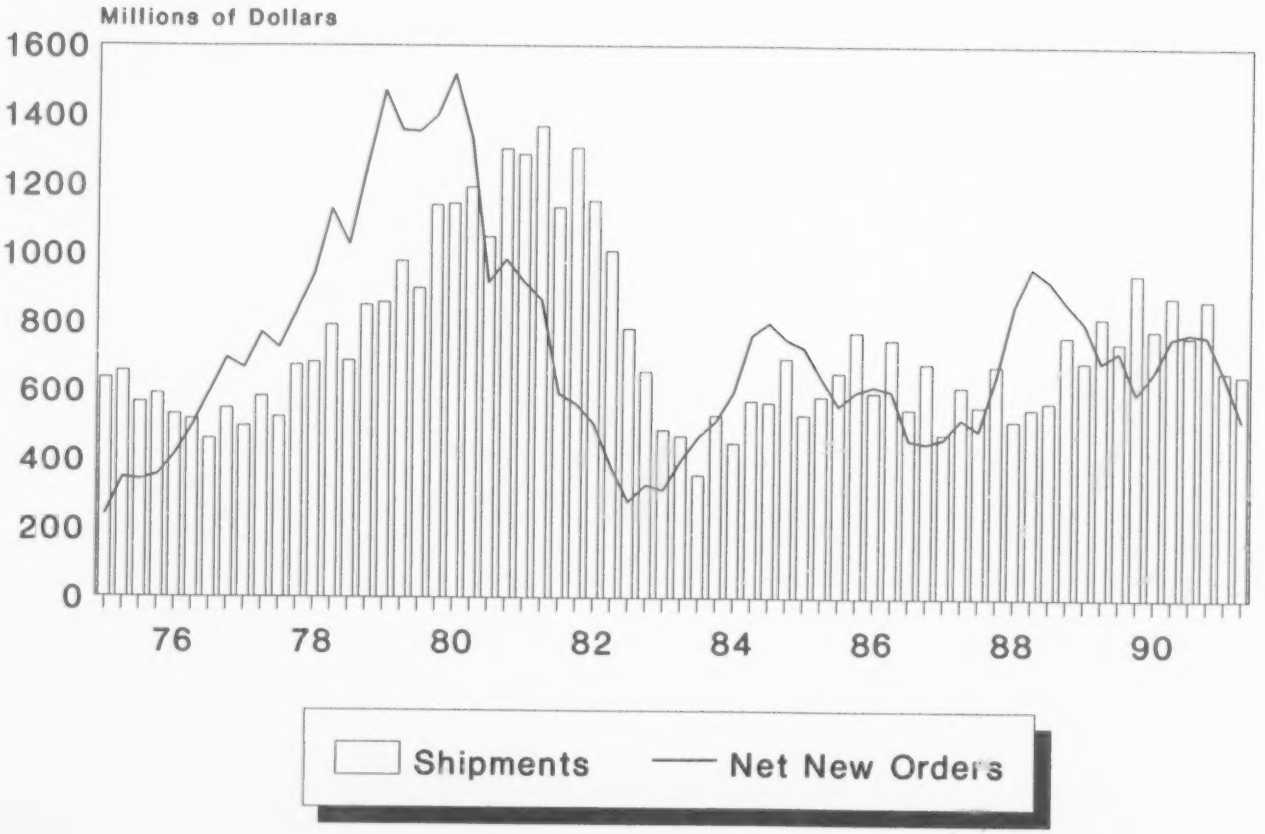
METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions Of Dollars)

DATE	NET NEW ORDERS			Order Backlog	SHIPMENTS			GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total		Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
1990	760.55	133.85	894.40	304.40	851.10	119.20	970.30	774.00	141.40	915.40	13.45	7.55	21.00
1991													
JAN	59.80	10.00	69.80	302.45	61.00	10.75	71.75	60.85	10.05	70.90	1.05	0.05	1.10
FEB	51.30	7.60	58.90	292.35	58.80	10.20	69.00	51.75	7.65	59.40	0.45	0.05	0.50
MAR	31.45	20.45	51.90	241.25	86.05	16.95	103.00	32.55	20.55	53.10	1.10	0.10	1.20
APR	37.30	19.95	57.25	236.80	47.05	14.65	61.70	39.45	20.00	59.45	2.15	0.05	2.20
MAY (R)	35.05	8.35	43.40	222.20	44.60	13.40	58.00	36.25	8.40	44.65	1.20	0.05	1.25
JUN (P)	25.15	16.90	42.05	194.70	47.15	22.40	69.55	25.60	16.95	42.55	0.45	0.05	0.50
TOTALS	240.05	83.25	323.30		344.65	88.35	433.00	246.45	83.60	330.05	6.40	0.35	6.75

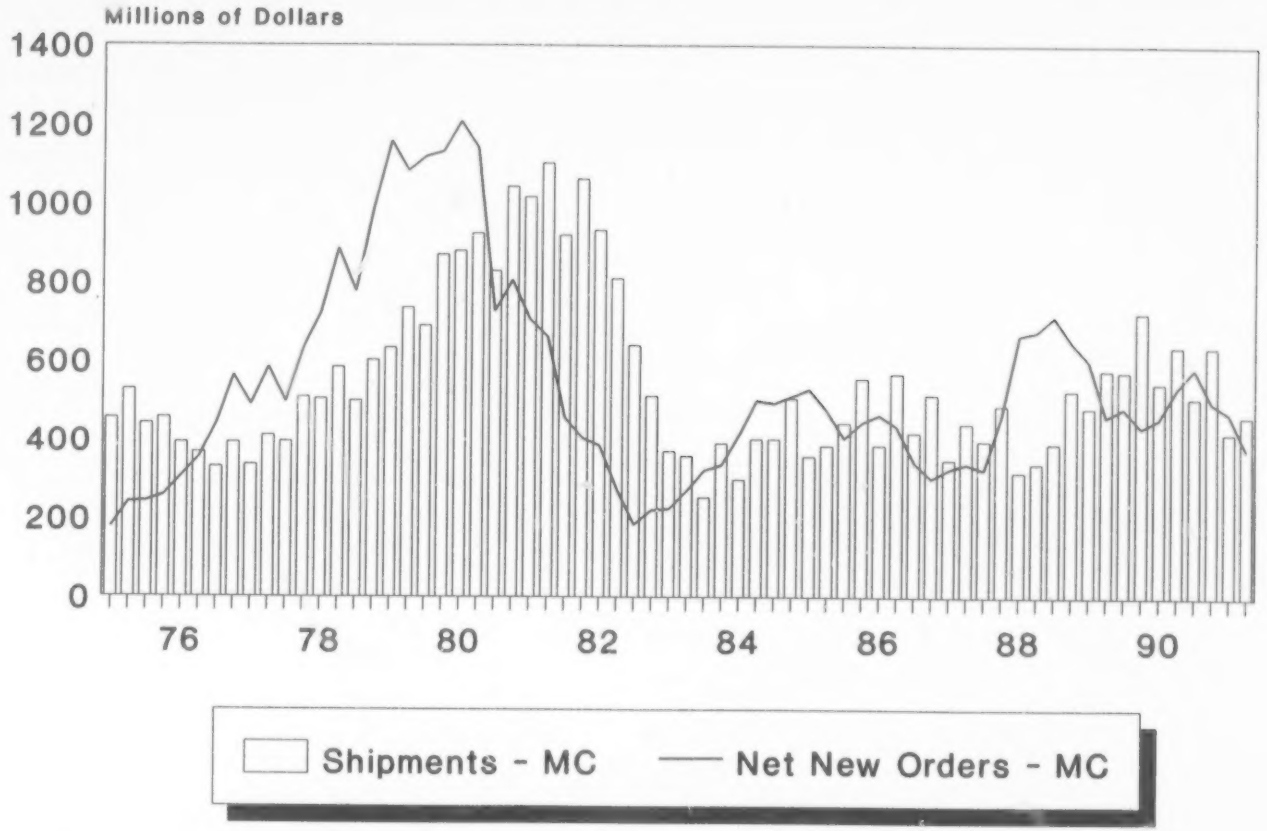
Source: NMTBA – The Association For Manufacturing Technology

P – preliminary R – revised

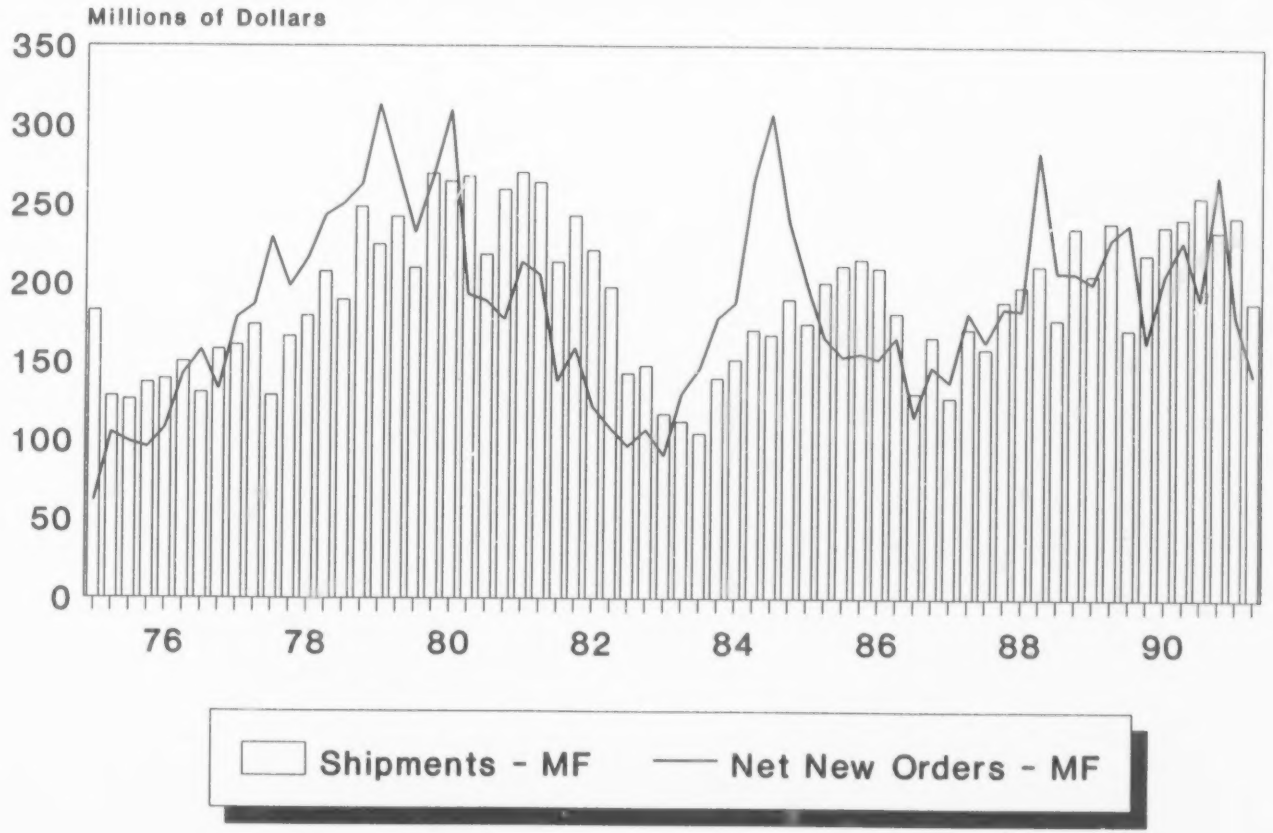
Total Machine Tools
Shipments and Net New Orders, Quarterly



Metal Cutting Machine Tools
Shipments and Net New Orders, Quarterly



Metal Forming Machine Tools
Shipments and Net New Orders, Quarterly



QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS

(Dollar Figures in Thousands)
1985 to Date

DATE	Cutting and Forming SHIPMENTS Total	Cutting and Forming SHIPMENTS Foreign	Cutting and Forming NET NEW ORDERS	Cutting SHIPMENTS Total	Cutting SHIPMENTS Foreign	Cutting NET NEW ORDERS	Forming SHIPMENTS Total	Forming SHIPMENTS Foreign	Forming NET NEW ORDERS
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2	614,100	71,300	521,150	442,600	46,300	339,300	171,500	25,000	181,850
3	556,650	66,300	487,850	397,750	43,350	324,550	158,900	22,950	163,300
4	676,100	93,350	646,100	487,000	49,950	461,500	189,100	43,400	184,600
Total	$2,323,650	$286,900	$2,118,800	$1,676,500	$177,650	$1,451,450	$ 647,150	$ 109,250	$ 667,350
1988-1	$ 516,500	$ 60,000	$ 850,000	$ 317,850	$ 35,300	$ 666,250	$ 198,650	$ 24,700	$ 183,750
2	551,150	74,400	960,500	339,350	40,900	676,500	211,800	33,500	284,000
3	569,200	66,350	922,650	391,300	38,650	715,000	177,900	27,700	207,650
4	762,250	96,050	857,700	526,050	59,600	650,150	236,200	36,450	207,550
Total	$2,399,100	$296,800	$3,590,850	$1,574,550	$174,450	$2,707,900	$ 824,550	$ 122,350	$ 882,950
1989-1	$ 687,650	$ 81,400	$ 803,300	$ 481,550	$ 50,900	$ 602,550	$ 206,100	$ 30,500	$ 200,750
2	817,850	101,150	688,500	578,150	64,450	459,550	239,700	36,700	228,950
3	745,500	109,350	720,450	574,000	82,600	481,900	171,500	26,750	238,550
4	944,600	140,350	595,700	724,900	101,450	432,350	219,700	38,900	163,350
Total	$3,195,600	$432,250	$2,807,950	$2,358,600	$299,400	$1,976,350	$ 837,000	$ 132,850	$ 831,600
1990-1	$ 783,250	$104,650	$ 661,700	$ 545,850	$ 79,050	$ 455,650	$ 237,400	$ 25,600	$ 206,050
2	881,300	108,700	760,950	638,800	84,750	533,050	242,500	23,950	227,900
3	763,650	92,550	775,400	507,500	59,350	584,450	256,150	33,200	190,950
4	871,700	138,450	766,650	637,450	102,000	497,150	234,250	36,450	269,500
Total	$3,299,900	$444,350	$2,964,700	$2,329,600	$325,150	$2,070,300	$ 970,300	$ 119,200	$ 894,400
1991-1	$ 661,550	$104,250	$ 650,450	$ 417,800	$ 66,350	$ 469,850	$ 243,750	$ 37,900	$ 180,600
2P	651,000	124,150	519,600	461,750	73,700	376,900	189,250	50,450	142,700
Total	$1,312,550	$228,400	$1,170,050	$ 879,550	$140,050	$ 846,750	$ 433,000	$ 88,350	$ 323,300

P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

July 29, 1991

A8620-1

NEWS

NMTBA
The Association For Manufacturing Technology

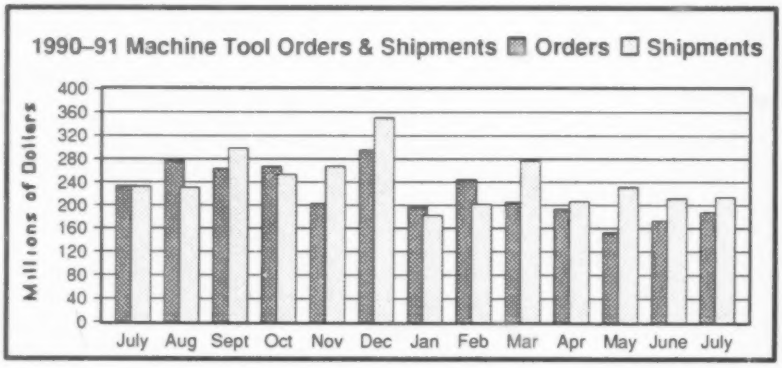
Contact:
Charles Pollock, VP, Communications, 703–827–5206
Glyn Finley, Statistical Director, 703–827–5255

FOR RELEASE: August 26, 1991

Machine tool orders up for the second month

July machine tool orders totaled $188.05 million, 8.8% above June's $172.9 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. At $1,358.10 million, year–to–date orders are 18% below 1990's $1,656.90 million for the same period. Comparing July 1991 to July a year ago, orders were down 19.7%.

July machine tool shipments totaled $214.30 million, up slightly from June's $212.15 million. Year–to–date 1991 shipments reached $1,526.90 million, 19.6% below 1990's $1,897.95 million. Comparing July 1991 to July 1990, shipments were down 8.2%.



"The modest rise in machine tool orders for the second month in a row, with improved domestic orders leading the way, is encouraging," said NMTBA President Albert W. Moore. "Manufacturing is the foundation on which a nation creates wealth and machine tools remain the centerpiece for that foundation. How much our nation's manufacturing industries spend on advanced technology signals whether the U.S. is narrowing or widening their international competitive gap."

(more)

Metal Cutting

At $146.75 million, July metal cutting machine tool orders were up 12.1% for the month. Year–to–date metal cutting orders were down 12.5% compared to 1990. July metal cutting order levels in 1991 and 1990 were similar.

July metal cutting shipments reached $149.20 million, up 4.6% compared to June. Year–to–date shipments were 23.6% below the same period in 1990. Comparing this July to July a year ago, metal cutting shipments were down 7.8%.

Metal Forming

July metal forming machine tool orders totaled $41.30 million, down 1.5% compared to June. Year–to–date 1991 metal forming orders were off 30.1% compared to the comparable figure for 1990. July 1991 metal forming orders were 52.8% below the level for July 1990.

Metal forming shipments totaled $65.10 million in July, down 6.4% compared to June. Year–to–date metal forming shipments were off 9.7%. Comparing July 1991 to July 1990, shipments were down 9.1%.

Backlog

The machine tool order backlog for July 1991 was $1,299.60 million, down from June's $1,325.85 million. The July 1990 backlog was $1,562.55 million.

# # #

PLEASE NOTE: The enclosed tables have been reformatted. On the comparison chart page each category runs horizontally across the page rather than vertically as in the old format. Columns within a category that ran horizontally, now run vertically.

COMPARISON CHART

NMTBA INDUSTRY ESTIMATES

(MILLIONS OF DOLLARS)

July 1991

	Jul 91	Jun 91	% Change	Jul 91	Jul 90	%Change	YTD 91	YTD 90	% Change
METAL CUTTING									
Net New Orders									
Domestic	124.30	87.70	41.7	124.30	132.55	–6.2	766.60	938.75	–18.3
Export	22.45	43.25	–48.1	22.45	14.20	58.1	227.00	196.70	15.4
Total	146.75	130.95	12.1	146.75	146.75	0.0	993.60	1135.45	–12.5
Shipments									
Domestic	137.10	104.30	31.4	137.10	144.00	–4.8	876.65	1164.85	–24.7
Export	12.10	38.30	–68.4	12.10	17.80	–32.0	152.15	181.60	–16.2
Total	149.20	142.60	4.6	149.20	161.80	–7.8	1028.80	1346.45	–23.6
METAL FORMING									
Net New Orders									
Domestic	29.40	25.05	17.4	29.40	81.40	–63.9	269.35	448.20	–39.9
Export	11.90	16.90	–29.6	11.90	6.10	95.1	95.15	73.25	29.9
Total	41.30	41.95	–1.5	41.30	87.50	–52.8	364.50	521.45	–30.1
Shipments									
Domestic	37.20	47.15	–21.1	37.20	67.35	–44.8	381.85	497.70	–23.3
Export	27.90	22.40	24.6	27.90	4.25	556.5	116.25	53.80	116.1
Total	65.10	69.55	–6.4	65.10	71.60	–9.1	498.10	551.50	–9.7
TOTAL CUTTING & FORMING									
Net New Orders									
Domestic	153.70	112.75	36.3	153.70	213.95	–28.2	1035.95	1386.95	–25.3
Export	34.35	60.15	–42.9	34.35	20.30	69.2	322.15	269.95	19.3
Total	188.05	172.90	8.8	188.05	234.25	–19.7	1358.10	1656.90	–18.0
Shipments									
Domestic	174.30	151.45	15.1	174.30	211.35	–17.5	1258.50	1662.55	–24.3
Export	40.00	60.70	–34.1	40.00	22.05	81.4	268.40	235.40	14.0
Total	214.30	212.15	1.0	214.30	233.40	–8.2	1526.90	1897.95	–19.6

Source: NMTBA – The Association For Manufacturing Technology

NMTBA INDUSTRY ESTIMATES

July 1991

MACHINE TOOLS – CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions Of Dollars)

DATE	NET NEW ORDERS			Order Backlog	SHIPMENTS			GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total		Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
1990	2,532.50	432.20	2,964.70	1,468.40	2,855.55	444.35	3,299.90	2,641.25	459.85	3,101.10	108.75	27.65	136.40
1991													
JAN	167.00	32.85	199.85	1,485.70	154.25	28.30	182.55	176.75	40.00	216.75	9.75	7.15	16.90
FEB	165.10	80.05	245.15	1,528.70	168.25	33.90	202.15	175.15	81.10	256.25	10.05	1.05	11.10
MAR	158.65	46.80	205.45	1,457.30	234.80	42.05	276.85	169.60	48.10	217.70	10.95	1.30	12.25
APR	147.25	46.45	193.70	1,443.95	173.60	33.45	207.05	153.55	48.10	201.65	6.30	1.65	7.95
MAY	131.50	21.50	153.00	1,365.10	201.85	30.00	231.85	140.60	21.60	162.20	9.10	0.10	9.20
JUN (R)	112.75	60.15	172.90	1,325.85	151.45	60.70	212.15	118.45	60.65	179.10	5.70	0.50	6.20
JUL (P)	153.70	34.35	188.05	1,299.60	174.30	40.00	214.30	162.80	36.20	199.00	9.10	1.85	10.95
TOTALS	1,035.95	322.15	1,358.10		1,258.50	268.40	1,526.90	1,096.90	335.75	1,432.65	60.95	13.60	74.55

Source: NMTBA – The Association For Manufacturing Technology

P – preliminary R – revised

NMTBA INDUSTRY ESTIMATES

July 1991

METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions Of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	1,771.95	298.35	2,070.30	1,164.00	2,004.45	325.15	2,329.60	1,867.25	318.45	2,185.70	95.30	20.10	115.40
1991													
JAN	107.20	22.85	130.05	1,183.25	93.25	17.55	110.80	115.90	29.95	145.85	8.70	7.10	15.80
FEB	113.80	72.45	186.25	1,236.35	109.45	23.70	133.15	123.40	73.45	196.85	9.60	1.00	10.60
MAR	127.20	26.35	153.55	1,216.05	148.75	25.10	173.85	137.05	27.55	164.60	9.85	1.20	11.05
APR	109.95	26.50	136.45	1,207.15	126.55	18.80	145.35	114.10	28.10	142.20	4.15	1.60	5.75
MAY	96.45	13.15	109.60	1,142.90	157.25	16.60	173.85	104.35	13.20	117.55	7.90	0.05	7.95
JUN (R)	87.70	43.25	130.95	1,131.25	104.30	38.30	142.60	92.95	43.70	136.65	5.25	0.45	5.70
JUL (P)	124.30	22.45	146.75	1,128.80	137.10	12.10	149.20	132.30	22.50	154.80	8.00	0.05	8.05
TOTALS	766.60	227.00	993.60		876.65	152.15	1,028.80	820.05	238.45	1,058.50	53.45	11.45	64.90

METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions Of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	760.55	133.85	894.40	304.40	851.10	119.20	970.30	774.00	141.40	915.40	13.45	7.55	21.00
1991													
JAN	59.80	10.00	69.80	302.45	61.00	10.75	71.75	60.85	10.05	70.90	1.05	0.05	1.10
FEB	51.30	7.60	58.90	292.35	58.80	10.20	69.00	51.75	7.65	59.40	0.45	0.05	0.50
MAR	31.45	20.45	51.90	241.25	86.05	16.95	103.00	32.55	20.55	53.10	1.10	0.10	1.20
APR	37.30	19.95	57.25	236.80	47.05	14.65	61.70	39.45	20.00	59.45	2.15	0.05	2.20
MAY	35.05	8.35	43.40	222.20	44.60	13.40	58.00	36.25	8.40	44.65	1.20	0.05	1.25
JUN (R)	25.05	16.90	41.95	194.60	47.15	22.40	69.55	25.50	16.95	42.45	0.45	0.05	0.50
JUL (P)	29.40	11.90	41.30	170.80	37.20	27.90	65.10	30.50	13.70	44.20	1.10	1.80	2.90
TOTALS	269.35	95.15	364.50		381.85	116.25	498.10	276.85	97.30	374.15	7.50	2.15	9.65

Source: NMTBA – The Association For Manufacturing Technology

P – preliminary R – revised

A8620-1

NEWS

NMTBA
The Association For Manufacturing Technology

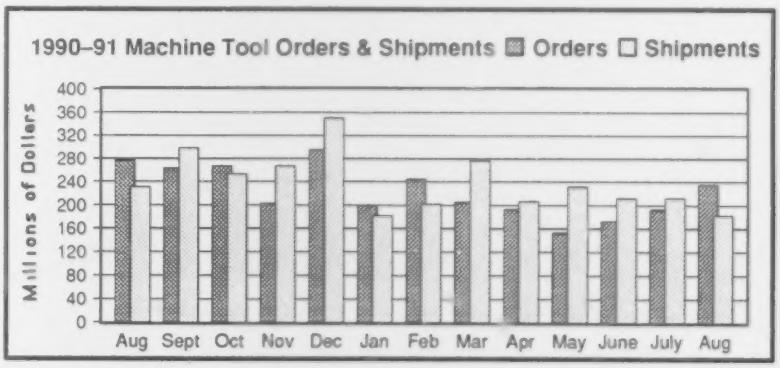
Contact:
Charles Pollock, VP, Communications, 703–827–5206
Glyn Finley, Statistical Director, 703–827–5255

FOR RELEASE: September 30, 1991

Machine tool orders up for third month

August machine tool orders totaled $235.70 million, up 22.0% compared to July's $193.25 million, according to figures released today by NMTBA – The Association For Manufacturing Technology. Year–to–date orders totaled $1,599.00 million, 17.3% below the 1990 figure of $1,933.70 million. Comparing August 1991 to August 1990, orders were down 14.8%.

Machine tool shipments in August totaled $183.30 million, down 13.9% from July's $212.80 million. Year–to–date 1991 shipments stood at $1,708.70 million, 19.8% below 1990's $2,129.30 million. Comparing August 1991 to August 1990, shipments were down 20.8%.



"We remain cautiously optimistic since orders are up for the third month in a row and cancellations are at their lowest level in over seven years," said NMTBA President Albert W. Moore. "Other indicators are turning positive as well. The Purchasing Managers Index is up and profits rose in the second quarter for manufacturers of durable goods. In addition, capacity utilization rates have been inching upward, creating a climate for increased capital expenditures."

(more)

Metal Cutting

August metal cutting machine tool orders stood at $126.40 million, down 13.2% for the month. Year–to–date metal cutting orders were down 18.0% compared to 1990. Comparing August 1991 to the same month a year ago, orders were down 44.7%.

Metal cutting shipments for August totaled $137.35 million, down 8.1% compared to July. Year–to–date shipment levels are 22.4% below the same period in 1990. Comparing August 1991 to August a year ago, metal cutting shipments were down 11.8%.

Metal Forming

Metal forming machine tool orders for August reached $109.30 million, up 129.4% compared to July. Year–to–date 1991 metal forming orders were off 15.7% compared to the same period in 1990. August 1991 metal forming orders were 126.5% higher than in August a year ago.

Metal forming shipments totaled $45.95 million in August, down 27.5% compared to July. Year–to–date metal forming shipments were down 13.5%. Comparing August 1991 to August 1990, shipments were down 39.2%.

Backlog

The machine tool order backlog for August 1991 was $1,358.70 million, up from July's $1,306.30 million. The August 1990 backlog was $1,608.00 million.

# # #

COMPARISON CHART

NMTBA INDUSTRY ESTIMATES

(MILLIONS OF DOLLARS)

August 1991

	Aug 91	Jul 91	% Change	Aug 91	Aug 90	%Change	YTD 91	YTD 90	% Change
METAL CUTTING									
Net New Orders									
Domestic	117.30	123.25	–4.8	117.30	212.20	–44.7	882.85	1,150.95	–23.3
Export	9.10	22.35	–59.3	9.10	16.35	–44.3	236.00	213.05	10.8
Total	126.40	145.60	–13.2	126.40	228.55	–44.7	1,118.85	1,364.00	–18.0
Shipments									
Domestic	121.85	137.35	–11.3	121.85	135.85	–10.3	998.75	1,300.70	–23.2
Export	15.50	12.05	28.6	15.50	19.90	–22.1	167.60	201.50	–16.8
Total	137.35	149.40	–8.1	137.35	155.75	–11.8	1,166.35	1,502.20	–22.4
METAL FORMING									
Net New Orders									
Domestic	87.05	26.90	223.6	87.05	47.95	81.5	353.90	496.15	–28.7
Export	22.25	20.75	7.2	22.25	0.30	7,316.7	126.25	73.55	71.7
Total	109.30	47.65	129.4	109.30	48.25	126.5	480.15	569.70	–15.7
Shipments									
Domestic	30.70	35.00	–12.3	30.70	61.30	–49.9	410.35	559.00	–26.6
Export	15.25	28.40	–46.3	15.25	14.30	6.6	132.00	68.10	93.8
Total	45.95	63.40	–27.5	45.95	75.60	–39.2	542.35	627.10	–13.5
TOTAL CUTTING & FORMING									
Net New Orders									
Domestic	204.35	150.15	36.1	204.35	260.15	–21.4	1,236.75	1,647.10	–24.9
Export	31.35	43.10	–27.3	31.35	16.65	88.3	362.25	286.60	26.4
Total	235.70	193.25	22.0	235.70	276.80	–14.8	1,599.00	1,933.70	–17.3
Shipments									
Domestic	152.55	172.35	–11.5	152.55	197.15	–22.6	1,409.10	1,859.70	–24.2
Export	30.75	40.45	–24.0	30.75	34.20	–10.1	299.60	269.60	11.1
Total	183.30	212.80	–13.9	183.30	231.35	–20.8	1,708.70	2,129.30	–19.8

Source: NMTBA – The Association For Manufacturing Technology

NMTBA INDUSTRY ESTIMATES

August 1991

MACHINE TOOLS – CUTTING AND FORMING
New Orders, Cancellations, Shipments and Backlog
(Millions Of Dollars)

DATE	NET NEW ORDERS			Order Backlog	SHIPMENTS			GROSS NEW ORDERS			CANCELLATIONS		
	Domestic	Foreign	Total		Domestic	Foreign	Total	Domestic	Foreign	Total	Domestic	Foreign	Total
1990	2,532.50	432.20	2,964.70	1,468.40	2,855.55	444.35	3,299.90	2,641.25	459.85	3,101.10	108.75	27.65	136.40
1991													
JAN	167.00	32.85	199.85	1,485.70	154.25	28.30	182.55	176.75	40.00	216,75	9.75	7.15	16.90
FEB	165.10	80.05	245.15	1,528.70	168.25	33.90	202.15	175.15	81.10	256.25	10.05	1.05	11.10
MAR	158.65	46.80	205.45	1,457.30	234.80	42.05	276.85	169.60	48.10	217.70	10.95	1.30	12.25
APR	147.25	46.45	193.70	1,443.95	173.60	33.45	207.05	153.55	48.10	201.65	6.30	1.65	7.95
MAY	131.50	21.50	153.00	1,365.10	201.85	30.00	231.85	140.60	21.60	162.20	9.10	0.10	9.20
JUN	112.75	60.15	172.90	1,325.85	151.45	60.70	212.15	118.45	60.65	179.10	5.70	0.50	6.20
JUL (R)	150.15	43.10	193.25	1,306.30	172.35	40.45	212.80	159.25	44.95	204.20	9.10	1.85	10.95
AUG (P)	204.35	31.35	235.70	1,358.70	152.55	30.75	183.30	207.45	31.50	238.95	3.10	0.15	3.25
TOTALS	1,236.75	362.25	1,599.00		1,409.10	299.60	1,708.70	1,300.80	376.00	1,676.80	64.05	13.75	77.80

Source: NMTBA – The Association For Manufacturing Technology

P – preliminary R – revised

NMTBA INDUSTRY ESTIMATES

August 1991

METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions Of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	1,771.95	298.35	2,070.30	1,164.00	2,004.45	325.15	2,329.60	1,867.25	318.45	2,185.70	95.30	20.10	115.40
1991													
JAN	107.20	22.85	130.05	1,183.25	93.25	17.55	110.80	115.90	29.95	145.85	8.70	7.10	15.80
FEB	113.80	72.45	186.25	1,236.35	109.45	23.70	133.15	123.40	73.45	196.85	9.60	1.00	10.60
MAR	127.20	26.35	153.55	1,216.05	148.75	25.10	173.85	137.05	27.55	164.60	9.85	1.20	11.05
APR	109.95	26.50	136.45	1,207.15	126.55	18.80	145.35	114.10	28.10	142.20	4.15	1.60	5.75
MAY	96.45	13.15	109.60	1,142.90	157.25	16.60	173.85	104.35	13.20	117.55	7.90	0.05	7.95
JUN	87.70	43.25	130.95	1,131.25	104.30	38.30	142.60	92.95	43.70	136.65	5.25	0.45	5.70
JUL (R)	123.25	22.35	145.60	1,127.45	137.35	12.05	149.40	131.25	22.40	153.65	8.00	0.05	8.05
AUG (P)	117.30	9.10	126.40	1,116.50	121.85	15.50	137.35	120.15	9.15	129.30	2.85	0.05	2.90
TOTALS	882.85	236.00	1,118.85		998.75	167.60	1,166.35	939.15	247.50	1,186.65	56.30	11.50	67.80

METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions Of Dollars)

DATE	NET NEW ORDERS Domestic	Foreign	Total	Order Backlog	SHIPMENTS Domestic	Foreign	Total	GROSS NEW ORDERS Domestic	Foreign	Total	CANCELLATIONS Domestic	Foreign	Total
1990	760.55	133.85	894.40	304.40	851.10	119.20	970.30	774.00	141.40	915.40	13.45	7.55	21.00
1991													
JAN	59.80	10.00	69.80	302.45	61.00	10.75	71.75	60.85	10.05	70.90	1.05	0.05	1.10
FEB	51.30	7.60	58.90	292.35	58.80	10.20	69.00	51.75	7.65	59.40	0.45	0.05	0.50
MAR	31.45	20.45	51.90	241.25	86.05	16.95	103.00	32.55	20.55	53.10	1.10	0.10	1.20
APR	37.30	19.95	57.25	236.80	47.05	14.65	61.70	39.45	20.00	59.45	2.15	0.05	2.20
MAY	35.05	8.35	43.40	222.20	44.60	13.40	58.00	36.25	8.40	44.65	1.20	0.05	1.25
JUN	25.05	16.90	41.95	194.60	47.15	22.40	69.55	25.50	16.95	42.45	0.45	0.05	0.50
JUL (R)	26.90	20.75	47.65	178.85	35.00	28.40	63.40	28.00	22.55	50.55	1.10	1.80	2.90
AUG (P)	87.05	22.25	109.30	242.20	30.70	15.25	45.95	87.30	22.35	109.65	0.25	0.10	0.35
TOTALS	353.90	126.25	480.15		410.35	132.00	542.35	361.65	128.50	490.15	7.75	2.25	10.00

Source: NMTBA – The Association For Manufacturing Technology

P – preliminary R – revised

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NEWS

NMTBA
The Association For Manufacturing Technology

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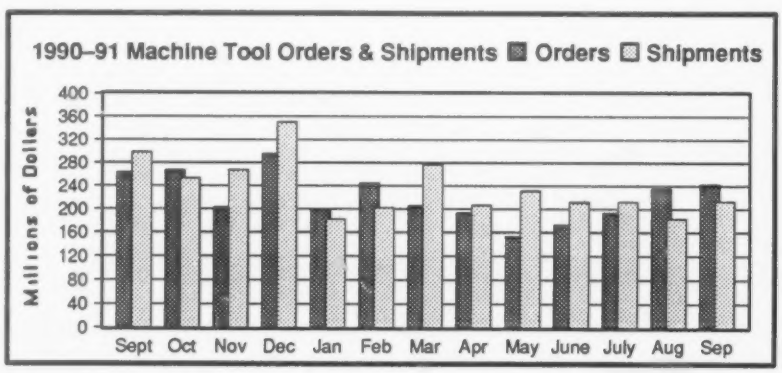
FOR RELEASE: October 28, 1991

Machine tool orders rise for fourth month

September machine tool orders were $243.65 million, 3.4% above the month before, revealed figures released today by NMTBA—The Association For Manufacturing Technology. Compared with September 1990, orders were off 7.8%. Year–to–date orders now come to $1,842.7 million, 16.2% below the year earlier level.

Machine tool shipments in September totaled $213.5 million, 16.4% ahead of August 1991. Shipments were off 28.6% from September of last year, however. Year–to–date shipments were $1,922.25 million, a level 20.8% below the figure for the comparable period in 1990.



September was the fourth month in a row in which machine tool orders rose, and they reached the highest level since February 1991. Domestic machine tool orders in September were at their highest point this year. Shipments were at their highest level since May.

"I am encouraged by the developments over the past four months," said Albert W. Moore, President of NMTBA. "Orders are up, cancellations down, and backlog levels seem to be firming. We look forward to this positive momentum bolstering the rest of 1991 and carrying forward into 1992, when many economists are predicting a pickup in the general economy."

(more)

Metal Cutting

September metal cutting machine tool orders were $172.9 million, 36.8% above August levels. That level, however, was 17.3% below September of last year. Year–to–date orders, at $1,291.75 million, were 17.9% behind the 1990 pace.

Metal cutting shipments in September were $163.6 million, 19.1% above August levels. That was 13.9% behind September 1990. Year–to–date shipments of $1,329.95 million were down 21.4% from 1990.

Metal Forming

Metal forming machine tool orders in September were $70.75 million, down 35.3% from August and off 28.2% from September 1990. Year–to–date orders were $550.95 million, 11.8% below the 1990 level.

Metal forming shipments totaled $49.9 million, an 8.5% increase from August. However, the level was down 54.2% from September of last year. Year–to–date shipments of $592.30 million were down 19.5%.

Backlog

The machine tool order backlog as of September was $1,388.85 million, the highest level since April.

# # #

COMPARISON CHART

NMTBA INDUSTRY ESTIMATES

(MILLIONS OF DOLLARS)

September 1991

	Sep 91	Aug 91	% Change	Sep 91	Sep 90	%Change	YTD 91	YTD 90	% Change
METAL CUTTING									
Net New Orders									
Domestic	149.55	117.30	27.5	149.55	190.75	–21.6	1,032.40	1,341.70	–23.1
Export	23.35	9.10	156.6	23.35	18.40	26.9	259.35	231.45	12.1
Total	172.90	126.40	36.8	172.90	209.15	–17.3	1,291.75	1,573.15	–17.9
Shipments									
Domestic	138.30	121.85	13.5	138.30	168.30	–17.8	1,137.05	1,469.00	–22.6
Export	25.30	15.50	63.2	25.30	21.65	16.9	192.90	223.15	–13.6
Total	163.60	137.35	19.1	163.60	189.95	–13.9	1,329.95	1,692.15	–21.4
METAL FORMING									
Net New Orders									
Domestic	56.30	87.05	–35.3	56.30	45.90	22.7	410.20	542.05	–24.3
Export	14.45	22.30	–35.2	14.45	9.30	55.4	140.75	82.85	69.9
Total	70.75	109.35	–35.3	70.75	55.20	28.2	550.95	624.90	–11.8
Shipments									
Domestic	36.05	30.75	17.2	36.05	94.30	–61.8	446.45	653.30	–31.7
Export	13.85	15.25	–9.2	13.85	14.65	–5.5	145.85	82.75	76.3
Total	49.90	46.00	8.5	49.90	108.95	–54.2	592.30	736.05	–19.5
TOTAL CUTTING & FORMING									
Net New Orders									
Domestic	205.85	204.35	0.7	205.85	236.65	–13.0	1,442.60	1,883.75	–23.4
Export	37.80	31.40	20.4	37.80	27.70	36.5	400.10	314.30	27.3
Total	243.65	235.75	3.4	243.65	264.35	–7.8	1,842.70	2,198.05	–16.2
Shipments									
Domestic	174.35	152.60	14.3	174.35	262.60	–33.6	1,583.50	2,122.30	–25.4
Export	39.15	30.75	27.3	39.15	36.30	7.9	338.75	305.90	10.7
Total	213.50	183.35	16.4	213.50	298.90	–28.6	1,922.25	2,428.20	–20.8

Source: NMTBA – The Association For Manufacturing Technology

NMTBA INDUSTRY ESTIMATES

September 1991

METAL CUTTING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions Of Dollars)

DATE	NET NEW ORDERS Domestic	Export	Total	Order Backlog	SHIPMENTS Domestic	Export	Total	GROSS NEW ORDERS Domestic	Export	Total	CANCELLATIONS Domestic	Export	Total
1990	1,771.95	298.35	2,070.30	1,164.00	2,004.45	325.15	2,329.60	1,867.25	318.45	2,185.70	95.30	20.10	115.40
1991													
JAN	107.20	22.85	130.05	1,183.25	93.25	17.55	110.80	115.90	29.95	145.85	8.70	7.10	15.80
FEB	113.80	72.45	186.25	1,236.35	109.45	23.70	133.15	123.40	73.45	196.85	9.60	1.00	10.60
MAR	127.20	26.35	153.55	1,216.05	148.75	25.10	173.85	137.05	27.55	164.60	9.85	1.20	11.05
APR	109.95	26.50	136.45	1,207.15	126.55	18.80	145.35	114.10	28.10	142.20	4.15	1.60	5.75
MAY	96.45	13.15	109.60	1,142.90	157.25	16.60	173.85	104.35	13.20	117.55	7.90	0.05	7.95
JUN	87.70	43.25	130.95	1,131.25	104.30	38.30	142.60	92.95	43.70	136.65	5.25	0.45	5.70
JUL	123.25	22.35	145.60	1,127.45	137.35	12.05	149.40	131.25	22.40	153.65	8.00	0.05	8.05
AUG (R)	117.30	9.10	126.40	1,116.50	121.85	15.50	137.35	120.15	9.15	129.30	2.85	0.05	2.90
SEP (P)	149.55	23.35	172.90	1,125.80	138.30	25.30	163.60	153.35	23.40	176.75	3.80	0.05	3.85
TOTALS	1,032.40	259.35	1,291.75		1,137.05	192.90	1,329.95	1,092.50	270.90	1,363.40	60.10	11.55	71.65

METAL FORMING TYPE MACHINE TOOLS
New Orders, Cancellations, Shipments and Backlog
(Millions Of Dollars)

DATE	NET NEW ORDERS Domestic	Export	Total	Order Backlog	SHIPMENTS Domestic	Export	Total	GROSS NEW ORDERS Domestic	Export	Total	CANCELLATIONS Domestic	Export	Total
1990	760.55	133.85	894.40	304.40	851.10	119.20	970.30	774.00	141.40	915.40	13.45	7.55	21.00
1991													
JAN	59.80	10.00	69.80	302.45	61.00	10.75	71.75	60.85	10.05	70.90	1.05	0.05	1.10
FEB	51.30	7.60	58.90	292.35	58.80	10.20	69.00	51.75	7.65	59.40	0.45	0.05	0.50
MAR	31.45	20.45	51.90	241.25	86.05	16.95	103.00	32.55	20.55	53.10	1.10	0.10	1.20
APR	37.30	19.95	57.25	236.80	47.05	14.65	61.70	39.45	20.00	59.45	2.15	0.05	2.20
MAY	35.05	8.35	43.40	222.20	44.60	13.40	58.00	36.25	8.40	44.65	1.20	0.05	1.25
JUN	25.05	16.90	41.95	194.60	47.15	22.40	69.55	25.50	16.95	42.45	0.45	0.05	0.50
JUL	26.90	20.75	47.65	178.85	35.00	28.40	63.40	28.00	22.55	50.55	1.10	1.80	2.90
AUG (R)	87.05	22.30	109.35	242.20	30.75	15.25	46.00	87.30	22.40	109.70	0.25	0.10	0.35
SEP (P)	56.30	14.45	70.75	263.05	36.05	13.85	49.90	56.40	15.95	72.35	0.10	1.50	1.60
TOTALS	410.20	140.75	550.95		446.45	145.85	592.30	418.05	144.50	562.55	7.85	3.75	11.60

Source: NMTBA – The Association For Manufacturing Technology

P – preliminary R – revised

QUARTERLY AND YEARLY SHIPMENTS AND NET NEW ORDERS OF MACHINE TOOLS

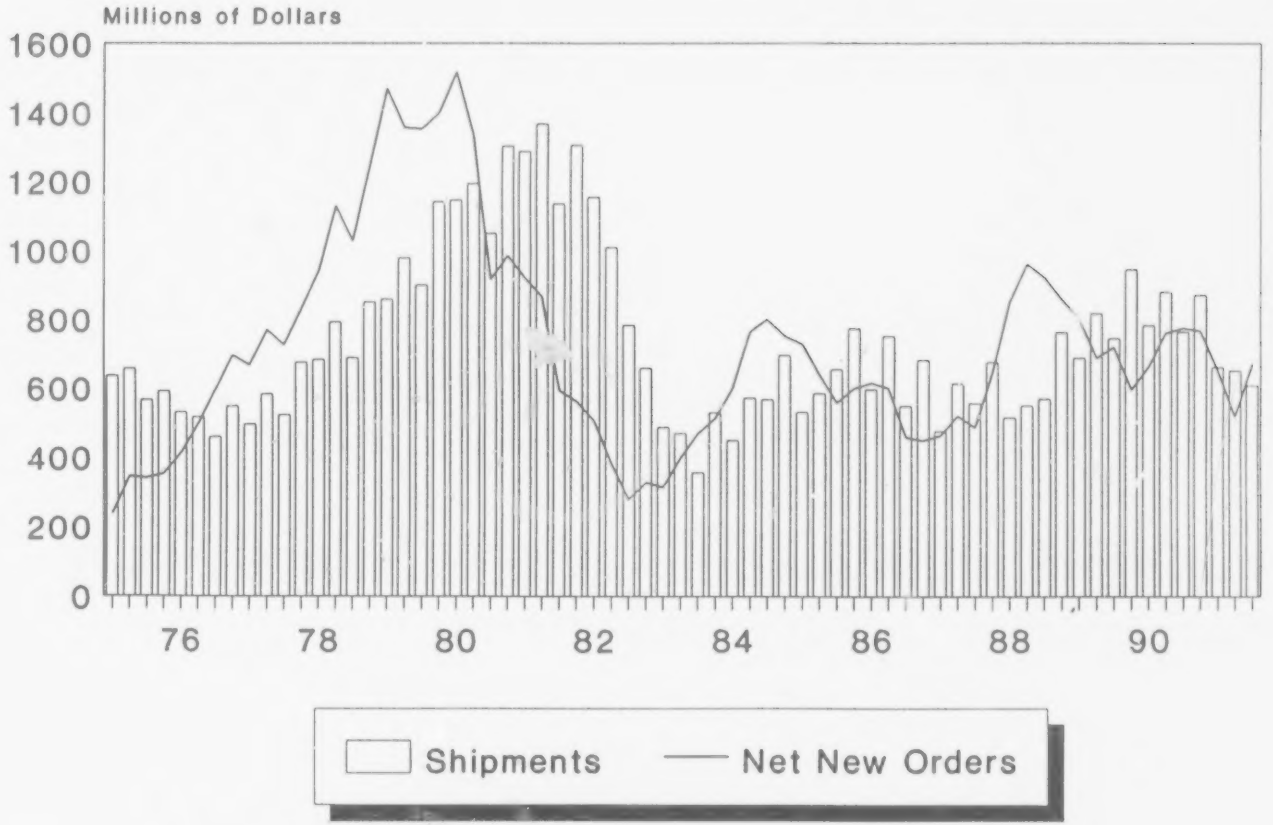
(Dollar Figures in Thousands)
1985 to Date

	Cutting and Forming			Cutting			Forming		
	SHIPMENTS		NET	SHIPMENTS		NET	SHIPMENTS		NET
DATE	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS	Total	Foreign	NEW ORDERS
1985-1	$ 531,700	$ 48,950	$ 728,250	$ 357,050	$ 37,150	$ 528,500	$ 174,650	$ 11,800	$ 199,750
2	586,050	37,700	641,400	385,000	27,450	475,700	201,050	10,250	165,700
3	654,650	58,250	558,450	443,050	35,950	404,750	211,600	22,300	153,700
4	772,800	108,850	600,000	557,150	93,200	444,150	215,650	15,650	155,850
Total	$2,545,200	$253,750	$2,528,100	$1,742,250	$193,750	$1,853,100	$ 802,950	$ 60,000	$ 675,000
1986-1	$ 597,300	$ 67,500	$ 615,750	$ 386,950	$ 55,200	$ 463,500	$ 210,350	$ 12,300	$ 152,250
2	751,000	64,100	600,600	569,350	49,500	434,650	181,650	14,600	165,950
3	549,350	64,200	459,650	418,700	49,500	344,050	130,650	14,700	115,600
4	680,850	76,650	449,300	515,300	51,400	302,050	165,550	25,250	147,250
Total	$2,578,500	$272,450	$2,125,300	$1,890,300	$205,600	$1,544,250	$ 688,200	$ 66,850	$ 581,050
1987-1	$ 476,800	$ 55,950	$ 463,700	$ 349,150	$ 38,050	$ 326,100	$ 127,650	$ 17,900	$ 137,600
2	614,100	71,300	521,150	442,600	46,300	339,300	171,500	25,000	181,850
3	556,650	66,300	487,850	397,750	43,350	324,550	158,900	22,950	163,300
4	676,100	93,350	646,100	487,000	49,950	461,500	189,100	43,400	184,600
Total	$2,323,650	$286,900	$2,118,800	$1,676,500	$177,650	$1,451,450	$ 647,150	$ 109,250	$ 667,350
1988-1	$ 516,500	$ 60,000	$ 850,000	$ 317,850	$ 35,300	$ 666,250	$ 198,650	$ 24,700	$ 183,750
2	551,150	74,400	960,500	339,350	40,900	676,500	211,800	33,500	284,000
3	569,200	66,350	922,650	391,300	38,650	715,000	177,900	27,700	207,650
4	762,250	96,050	857,700	526,050	59,600	650,150	236,200	36,450	207,550
Total	$2,399,100	$296,800	$3,590,850	$1,574,550	$174,450	$2,707,900	$ 824,550	$ 122,350	$ 882,950
1989-1	$ 687,650	$ 81,400	$ 803,300	$ 481,550	$ 50,900	$ 602,550	$ 206,100	$ 30,500	$ 200,750
2	817,850	101,150	688,500	578,150	64,450	459,550	239,700	36,700	228,950
3	745,500	109,350	720,450	574,000	82,600	481,900	171,500	26,750	238,550
4	944,600	140,350	595,700	724,900	101,450	432,350	219,700	38,900	163,350
Total	$3,195,600	$432,250	$2,807,950	$2,358,600	$299,400	$1,976,350	$ 837,000	$ 132,850	$ 831,600
1990-1	$ 783,250	$104,650	$ 661,700	$ 545,850	$ 79,050	$ 455,650	$ 237,400	$ 25,600	$ 206,050
2	881,300	108,700	760,950	638,800	84,750	533,050	242,500	23,950	227,900
3	763,650	92,550	775,400	507,500	59,350	584,450	256,150	33,200	190,950
4	871,700	138,450	766,650	637,450	102,000	497,150	234,250	36,450	269,500
Total	$3,299,900	$444,350	$2,964,700	$2,329,600	$325,150	$2,070,300	$ 970,300	$ 119,200	$ 894,400
1991-1	$ 661,550	$104,250	$ 650,450	$ 417,800	$ 66,350	$ 469,850	$ 243,750	$ 37,900	$ 180,600
2	651,050	124,150	519,600	461,800	73,700	377,000	189,250	50,450	142,600
3P	609,650	110,350	672,650	450,350	52,850	444,900	159,300	57,500	227,750
Total	$1,922,250	$338,750	$1,842,700	$1,329,950	$192,900	$1,291,750	$ 592,300	$ 145,850	$ 550,950

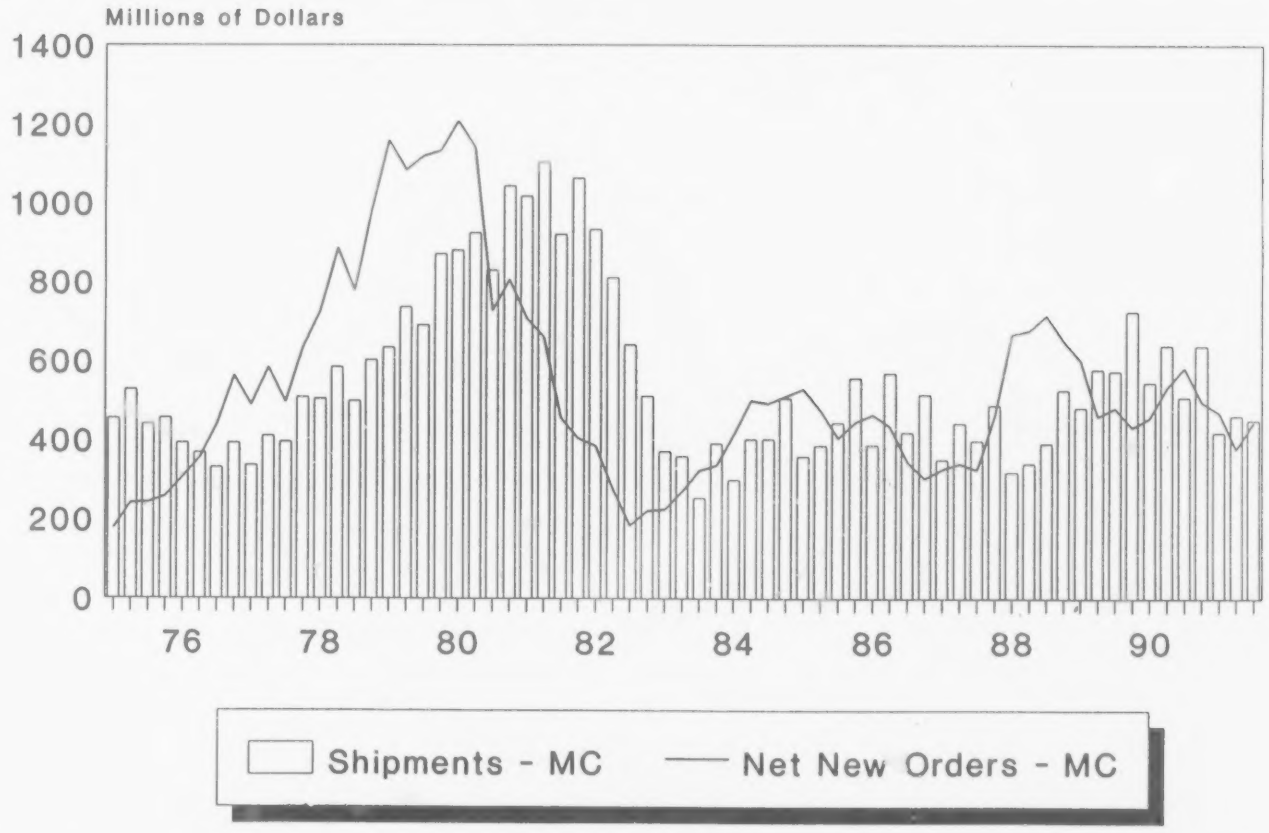
P - Preliminary
Source: NMTBA - The Association For Manufacturing Technology

October 28, 1991

Total Machine Tools
Shipments and Net New Orders, Quarterly



Metal Cutting Machine Tools
Shipments and Net New Orders, Quarterly



Metal Forming Machine Tools
Shipments and Net New Orders, Quarterly